MODERN STORE FRONTS

BY

EASYSET

PITTSBURGH PLATE GLASS CO.

CATALOG

"M"

Architects' Handbook of
EASYSET
STORE FRONT CONSTRUCTION

CATALOG
"M"

© 1931 EASYSET SYSTEM

MODERNIZED DESIGN SIMPLIFIED CONSTRUCTION

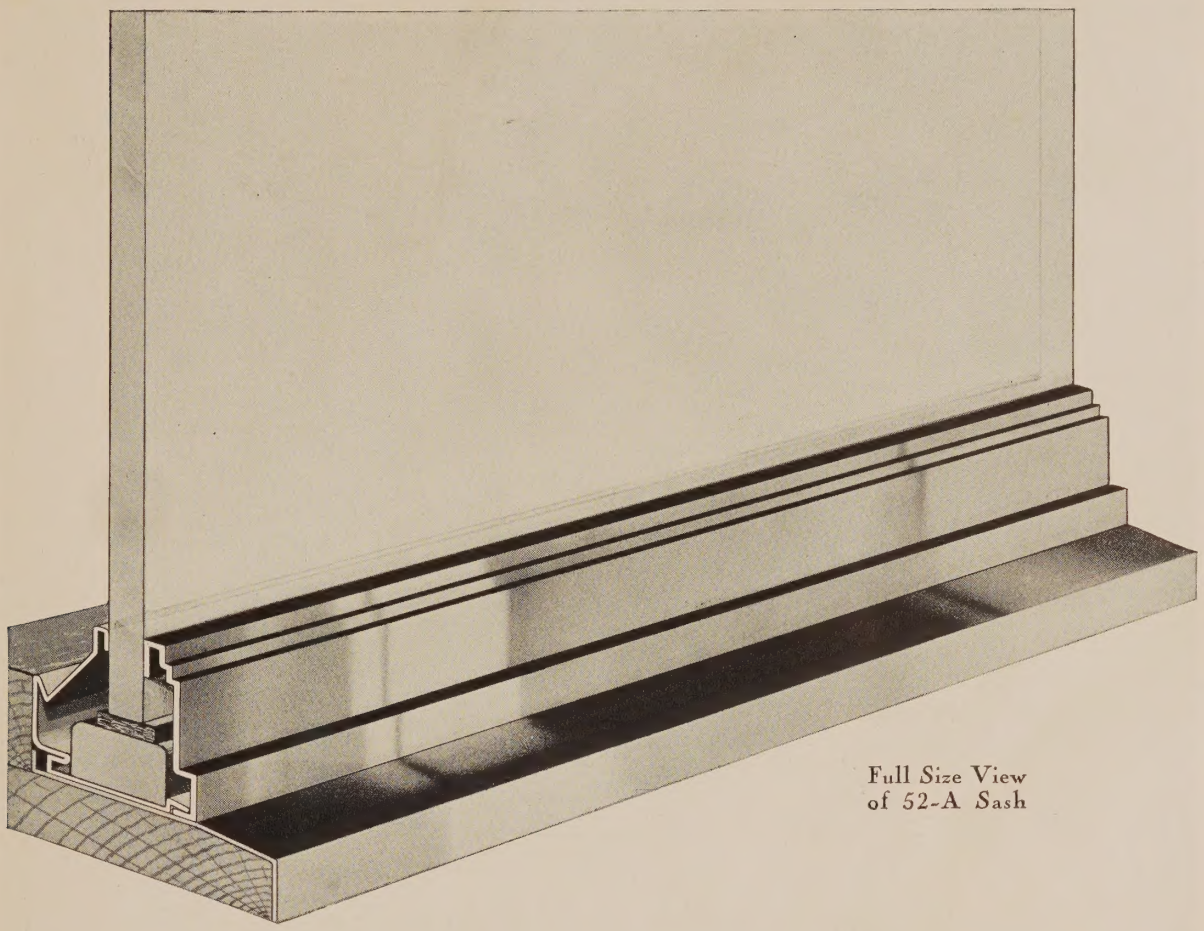
The lineation of the new Easyset Construction is modern, though not extreme, expressing in bronze a symphony of line and mass. Sharp contrasts in light and shadow are obtained through definite and angular mouldings. Absence of superfluous material and embellishment lends to each unit the desirable qualities of distinction and grace. Glass holding members are reduced to minimum size, though amply strong for the purpose intended, thus providing a setting that is unobstructive to the display of merchandise. Wherever possible, metal coverings are made to conform to wood cores of standard sizes, thus reducing costs and installation difficulties. No wood cores are furnished by the manufacturer. With added improvements, the original principle of uniting face and back members of sash and bars has been preserved.

PITTSBURGH PLATE GLASS COMPANY

EASYSET
STORE FRONTS

Furnished in
Bronze or Aluminum Alloy

For List of Finishes see Page No. 27



Full Size View
of 52-A Sash

EASYSET has received the hearty endorsement of architects, contractors and merchants in all parts of the United States and is worthy of your consideration for all structures where display fronts are involved. We show in this book many new features that have been added to the EASYSET line which we are sure will be welcomed by those desiring unusual individuality and character.

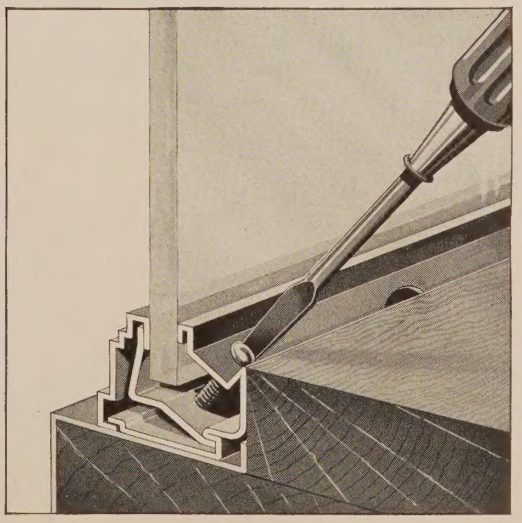
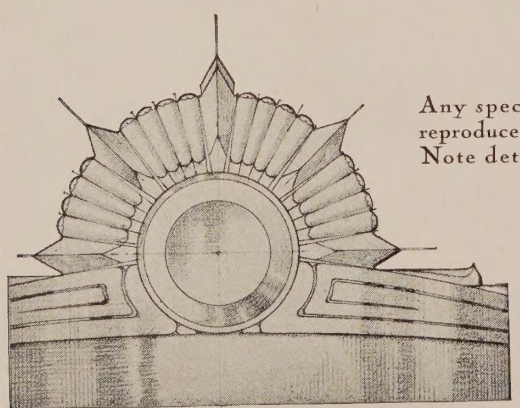


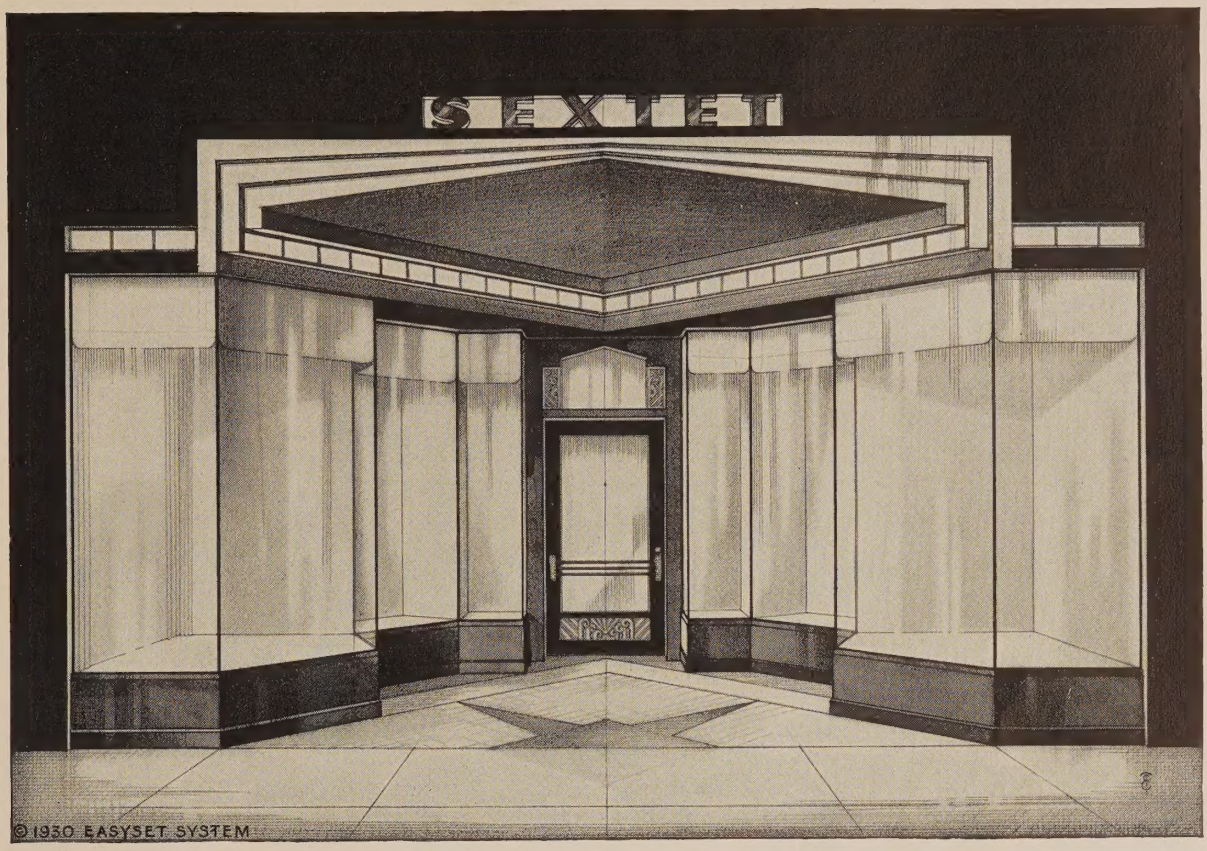
Illustration at right shows method of setting glass from the inside.

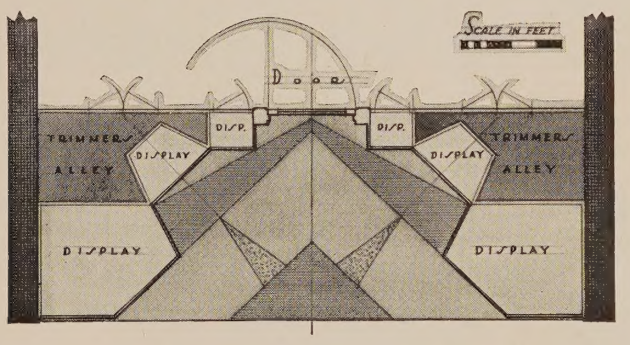
©1930 EASYSET SYSTEM



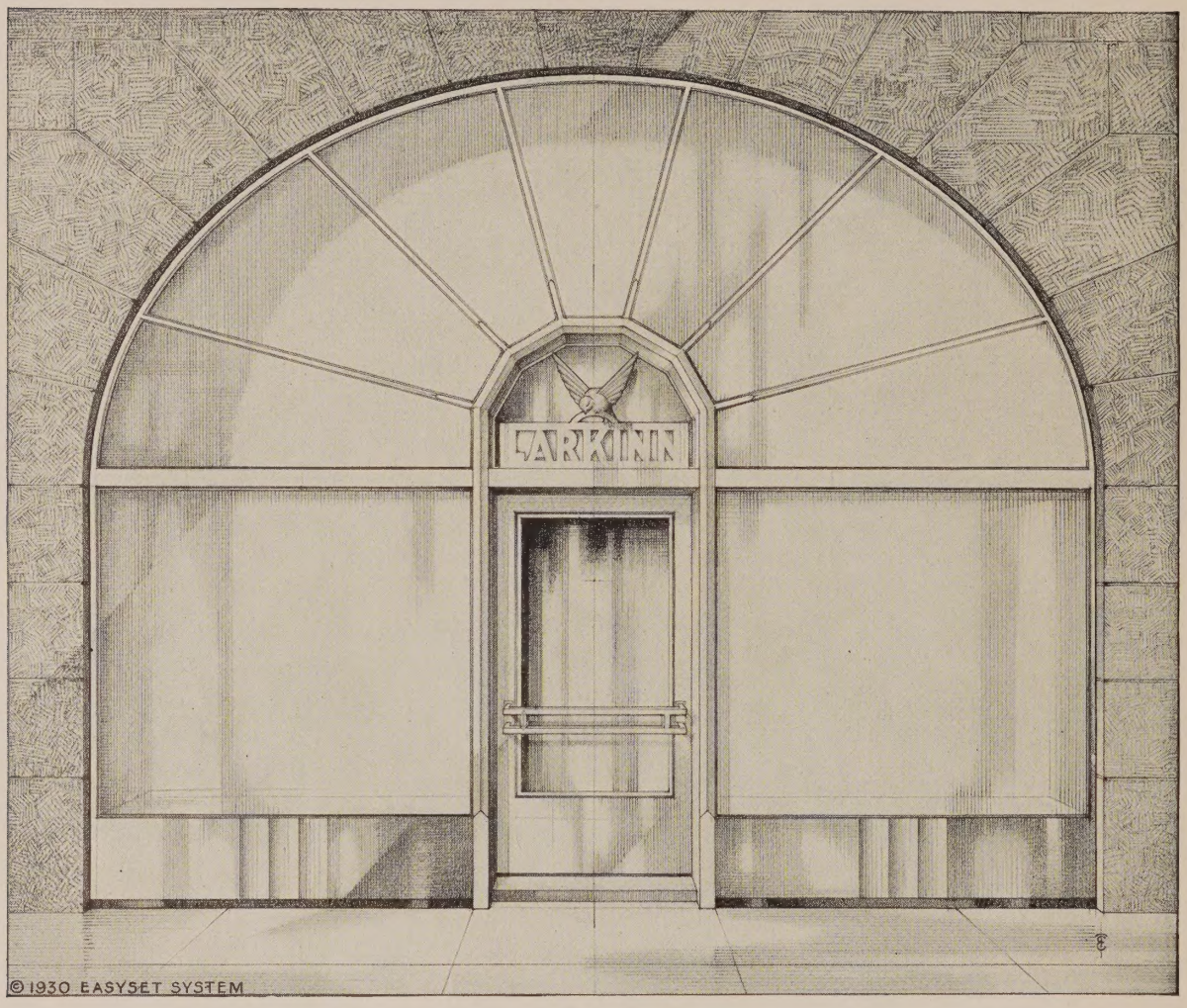
Any special design reproduced in metal. Note detail at left.

Whether building or remodeling, Easyset offers many possibilities. This design incorporates the regular construction enhanced by the application of special ornamentation. Clothing, Furs, Ready-to-Wear, Shoes and kindred lines have an added appeal when framed in this up-to-date manner.

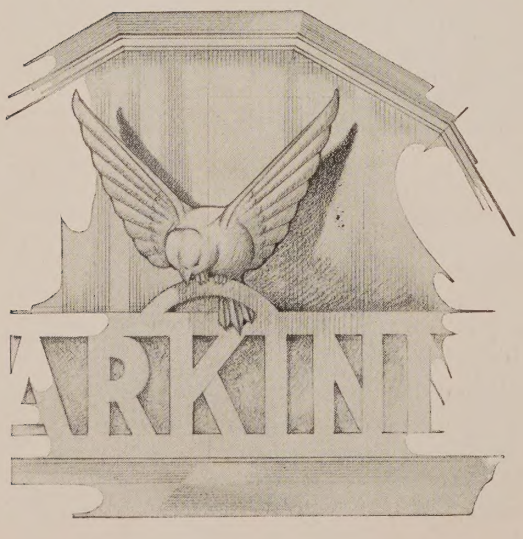




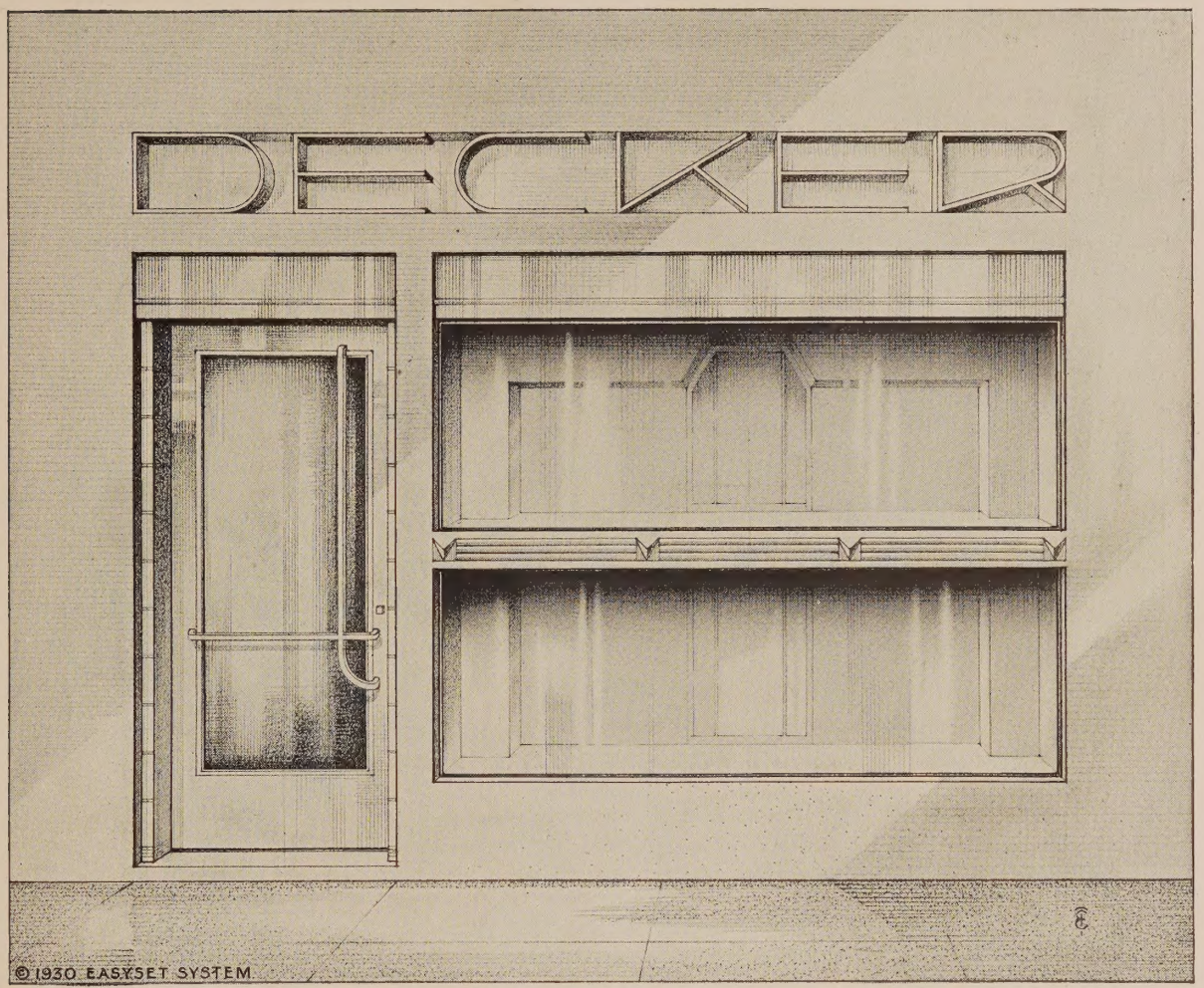
This rendering and floor plan will prove interesting to the merchant desiring unit display facilities. The value of displaying merchandise in units, separate ensemble trims, etc., has been proven again and again. Three sizes of windows make possible the individual showing of any type of merchandise. Note that ample trimming room is provided back of the display space, allowing the windows to be quickly and easily arranged. . . Architects will find this type particularly appropriate for shops featuring Clothing, Dry Goods, Shoes, Hardware, Sporting Goods, Groceries, Drugs, Gifts, etc.



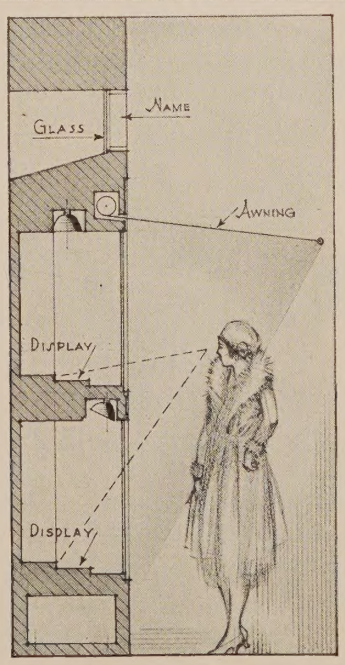
Exquisite grace and beauty, fashioned in the modern manner have an appeal to patrons seeking the best. The above suggestion may aid in solving the frequent problem of designing a new store front to comply with the original masonry. . . . This front is especially adaptable to Cafes, Restaurants, Show Rooms, etc. The bulkhead and plate glass can be varied in height and backgrounds used if desired.



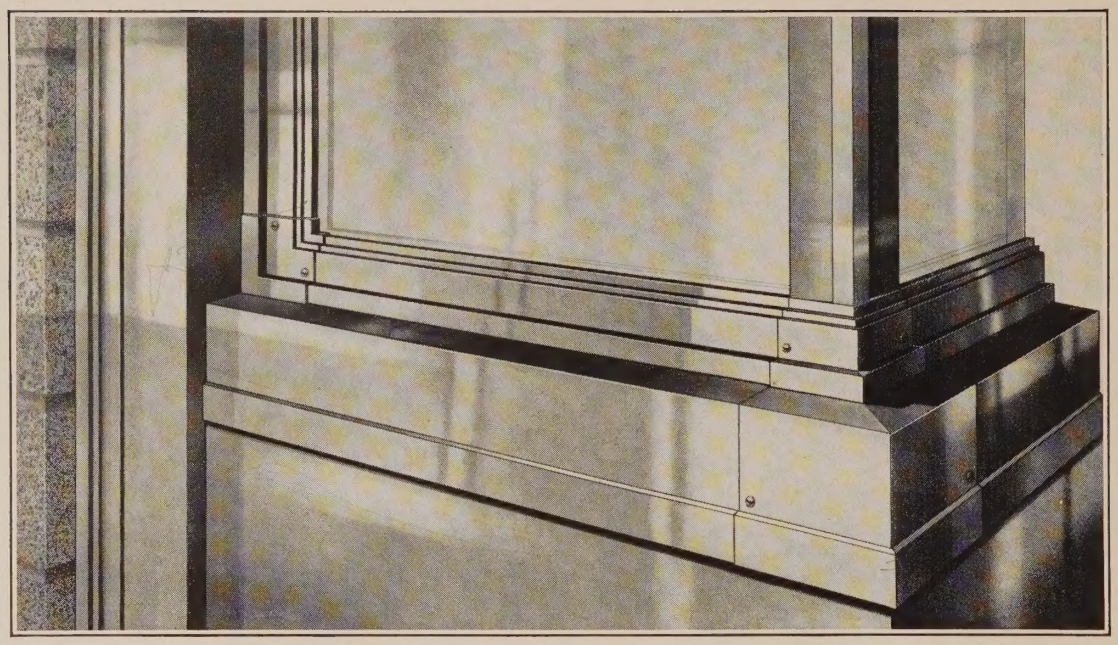
Cast refinements add an extra touch of smartness and prestige. We can furnish any special design in cast or wrought bronze, aluminum alloy or iron.



Here, the spirit of the newest Parisian shop is combined with a practical display suggestion for the showing of Jewelry, Perfumes, Confectionery, Stationery or Drugs. Even the most fastidious would feel confident of finding style and correctness displayed in such a window.

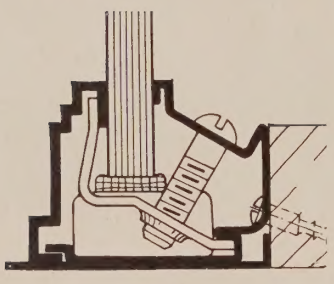


When viewed from a utility standpoint, this method of display is extremely practical for showing small articles of minute detail, such as Jewelry, Fine Needlework, etc. Thus close inspection from the sidewalk can be made with less effort, and being at direct eye level, the display will draw added attention. Merchandise of larger bulk finds a place in the lower window, where a separate display can be shown without distracting from the one above. Each window is individually lighted offering opportunity for new and unique effects.



SASH

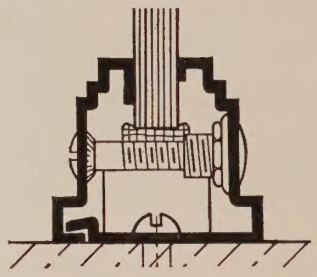
FULL SIZE DETAILS



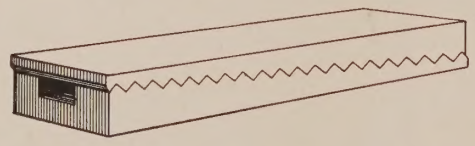
52-A

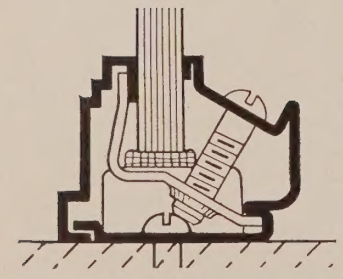
The contour of the new Easyset sash face is in keeping with modern architectural design.

Ventilation holes in gutter and face provided when desired. Sash of the following types can be furnished: inside setting, outside setting, self-supporting, or for use with backing. Setting blocks, screws and caps furnished with sash.



52-C

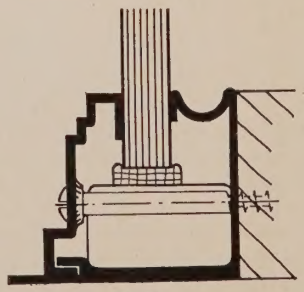




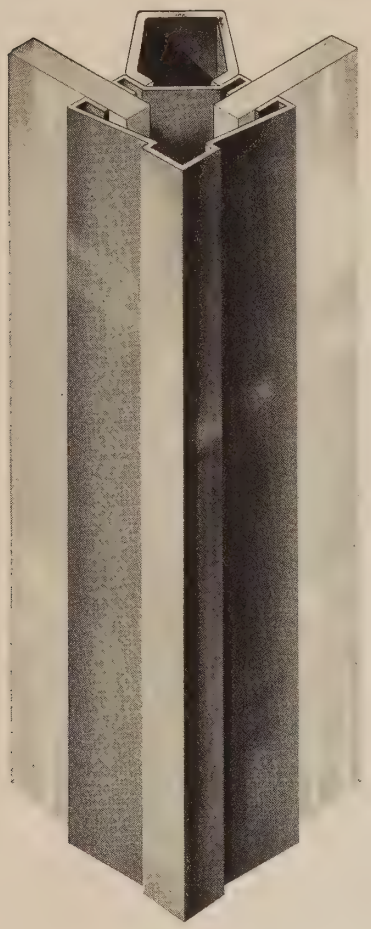
52-B

ADJUSTABLE SETTING BLOCK

This cast metal setting block is easily adjusted to the exact height required, by means of its saw tooth adjustment. It is held in positive position by the shape of the gutter member. (See sash sections.)



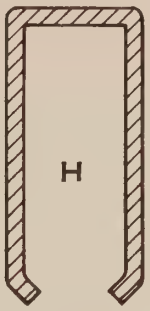
52-D



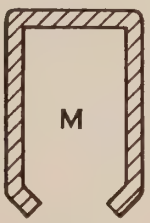
No. 54 CORNER BARS

FULL SIZE DETAILS

The lines of all Easyset bars are designed to harmonize with the new 52 sash, presenting a pleasing combination in the complete assembly. The stiffeners shown below can be used on all bars with the exception of No. 55. "H", "M" or "L" placed after the bar number signifies the size of stiffener used. All bars furnished with screws and anchor brackets. Corner bars can be made in any practical angle.

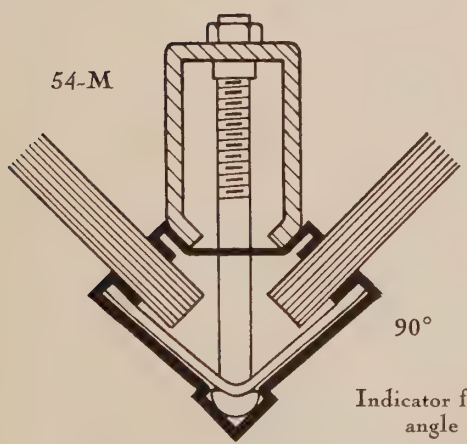


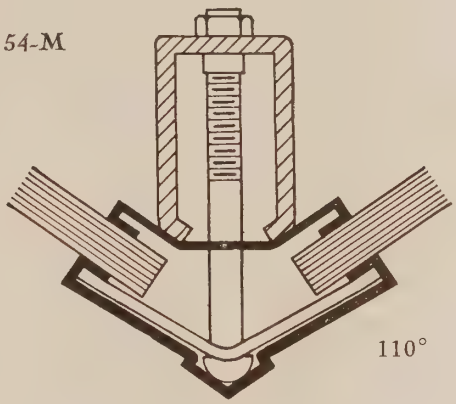
HEAVY

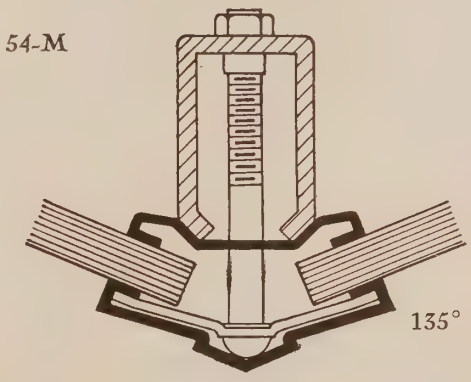


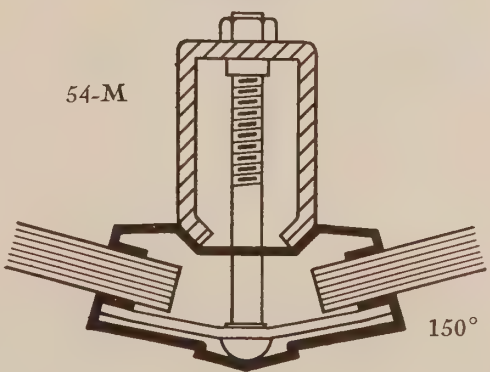
MEDIUM

LIGHT

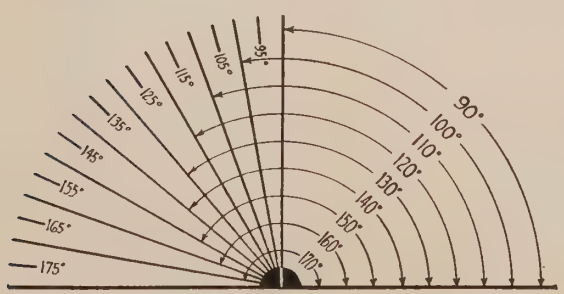








Indicator for determining degree of angle when ordering bars.

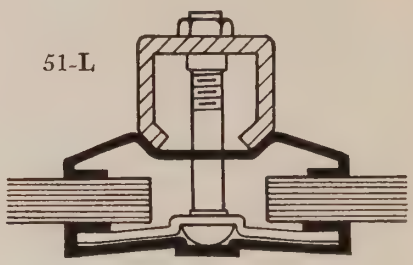


All bars shown with medium stiffeners.

No. 51 DIVISION BARS

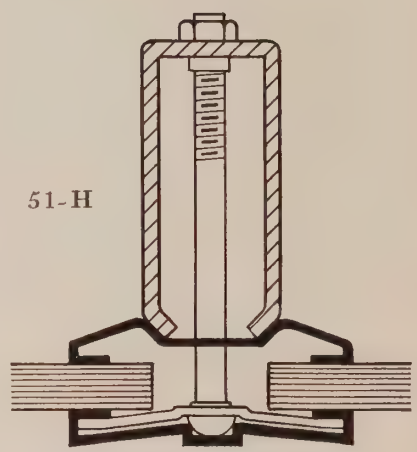
FULL SIZE DETAILS

51-L

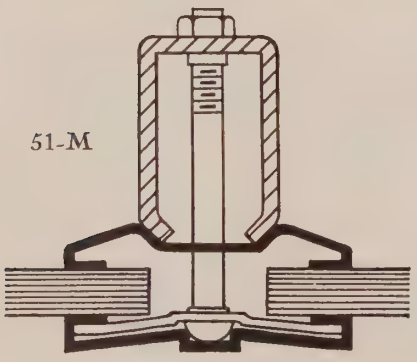


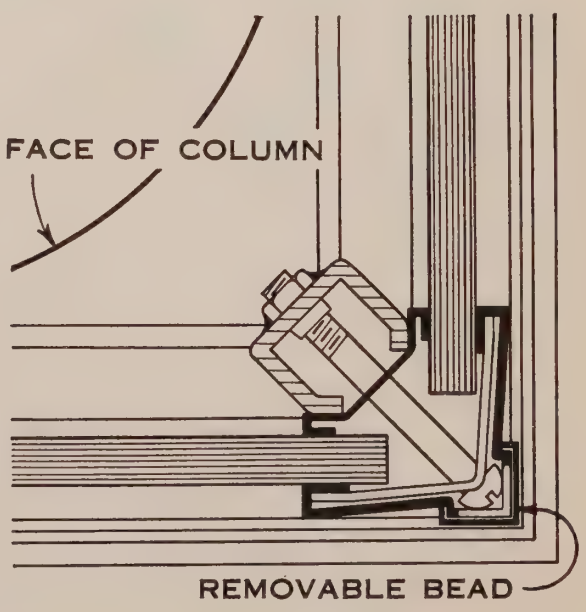
Here is a bar for adjoining two plates of glass on one plane. It has narrow graceful lines and is rigid in construction. The steel reinforcement has a protective coating to prevent corrosion. All bars furnished complete with screws, lugs and anchors.

51-H



51-M





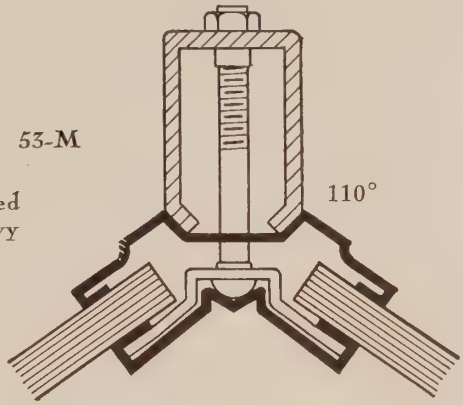
BARS INSTALLED FROM OUTSIDE

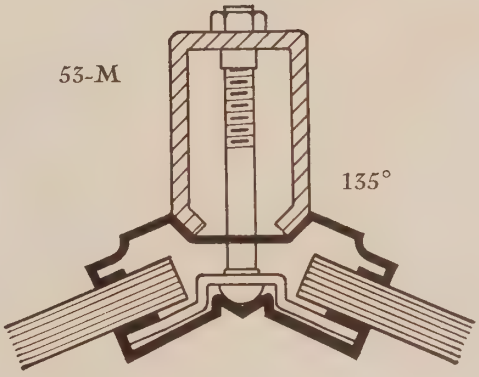
It frequently happens that a corner or division bar must be installed in front of a supporting column or other obstruction. Special treatment for a bar of this nature is shown at right. All screw heads are concealed by removable bead.

No. 53 REVERSE BARS

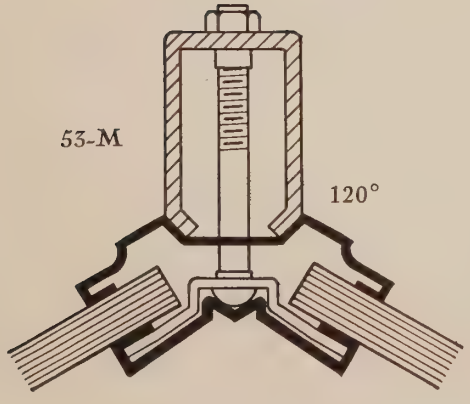
FULL SIZE DETAILS

These bars can be equipped with light medium or heavy stiffeners. See page 9.

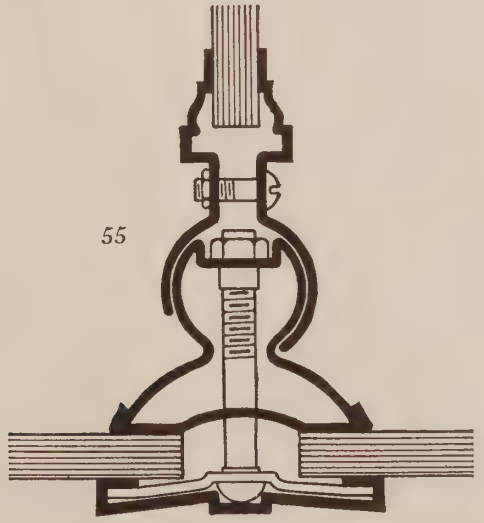




See page 27 for complete list of metals and finishes used for all Easyset Construction.



Easyset reverse bars can be furnished in any practical angle, a few examples of which are shown on this page. The contour of this bar is in harmony with sash and corner bar faces.

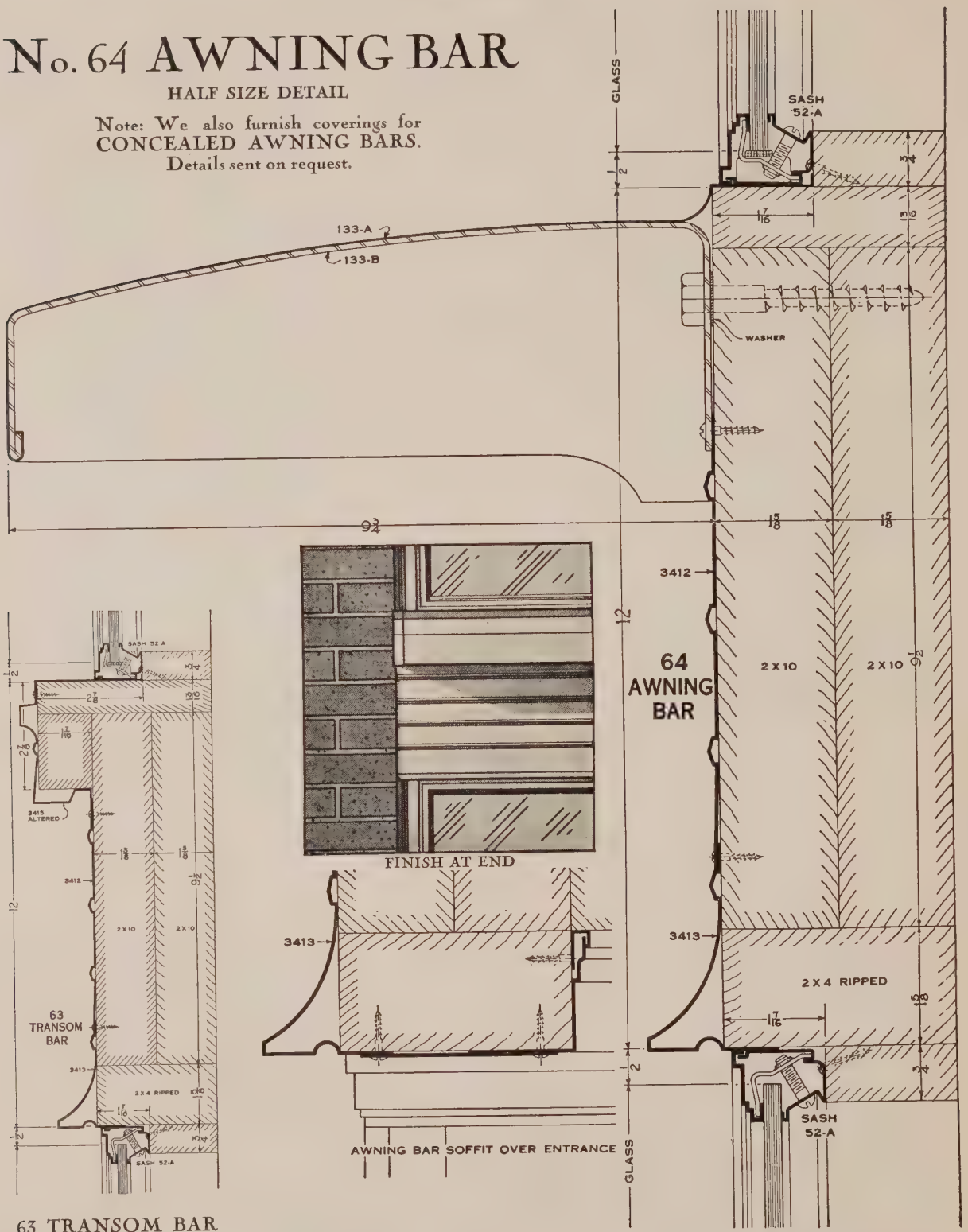


No. 55 3-Way Bar

No. 64 AWNING BAR

HALF SIZE DETAIL

Note: We also furnish coverings for CONCEALED AWNING BARS. Details sent on request.



63 TRANSOM BAR

One Quarter Size

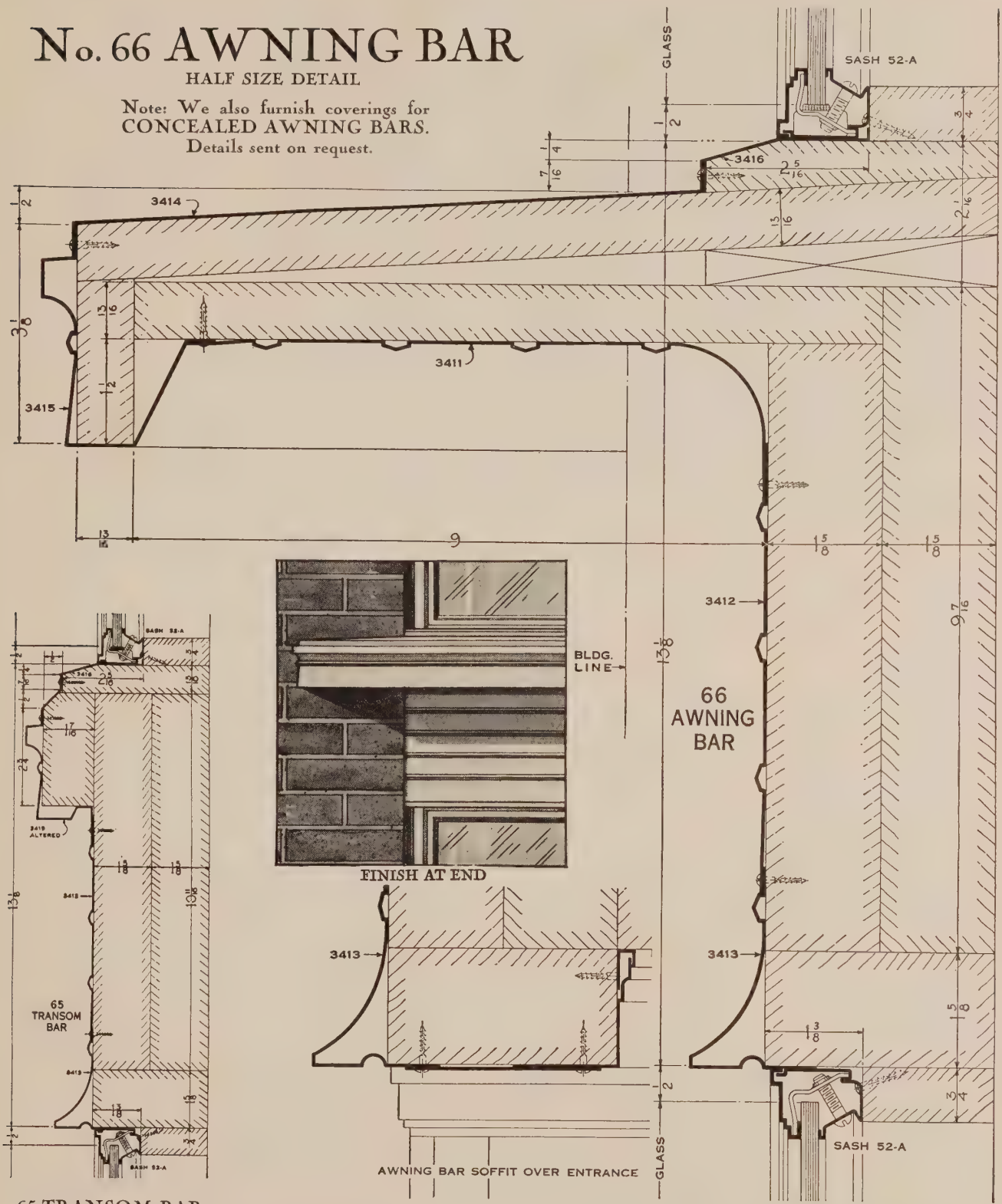
Used in conjunction with No. 64 when hood is not required.

A shelter for the awning consisting of a continuous steel hood decked with rustless metal with ample space for awning roll. Steel inner hood is painted at factory. Wood core not furnished by manufacturer.

No. 66 AWNING BAR

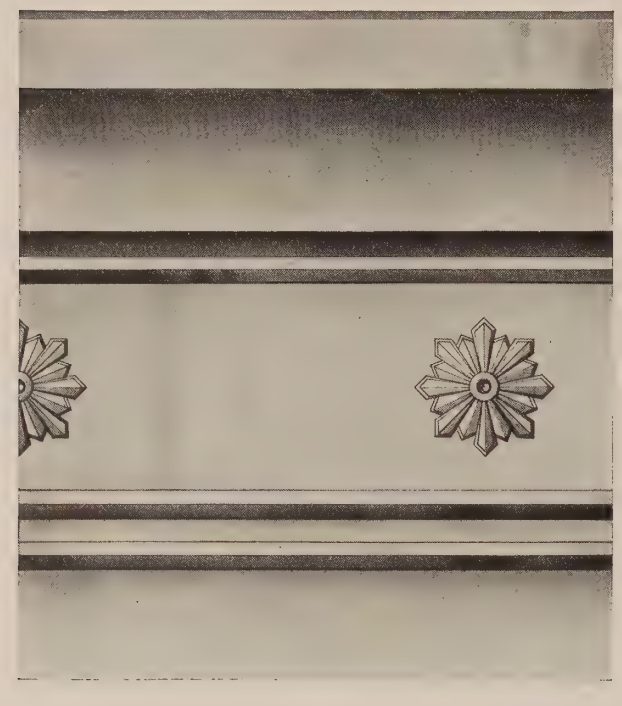
HALF SIZE DETAIL

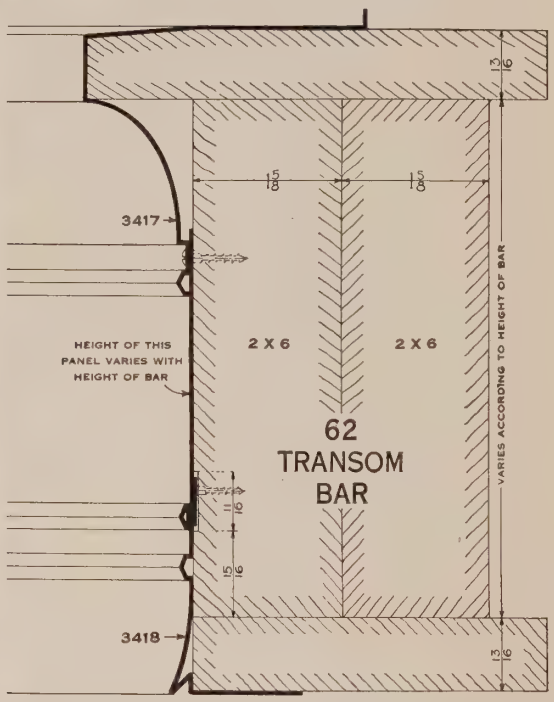
Note: We also furnish coverings for CONCEALED AWNING BARS. Details sent on request.



65 TRANSOM BAR
Used in conjunction with No. 66 bar when hood is not required.

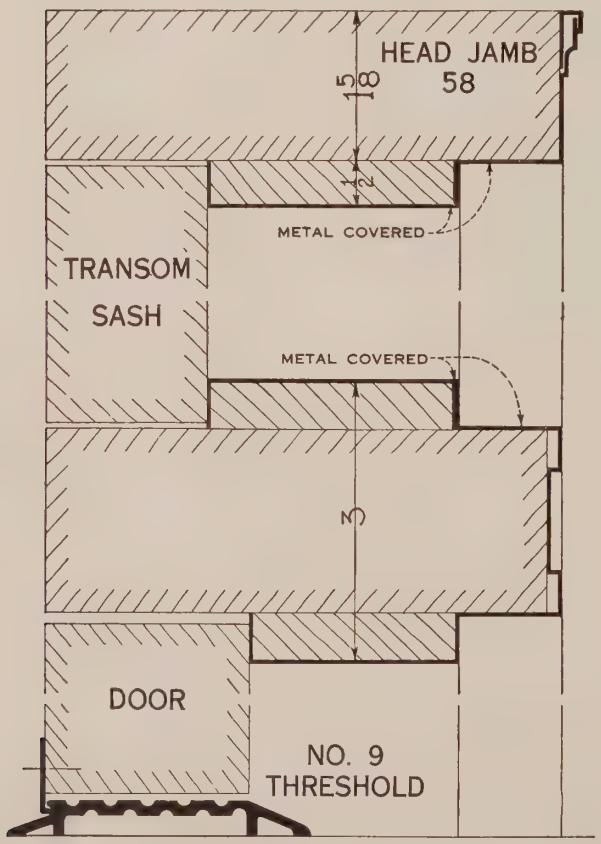
No. 66 Awning Bar consists of a series of modern mouldings designed to fit wood core as shown in the above detail. This type of bar has been in extensive use for years. Wood core not furnished by manufacturer.



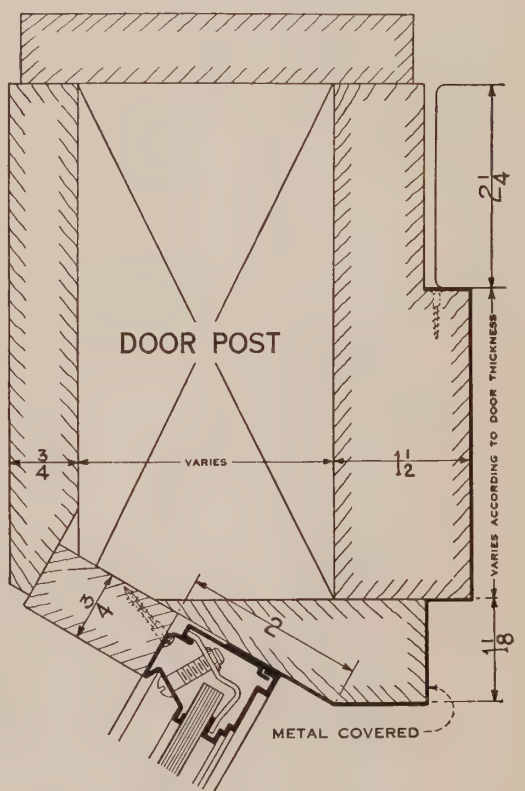


HALF SIZE ELEVATION AND DETAIL OF NO. 62 TRANSOM BAR

Cast ornaments, furnished in any design, are extra. All wood cores by others.



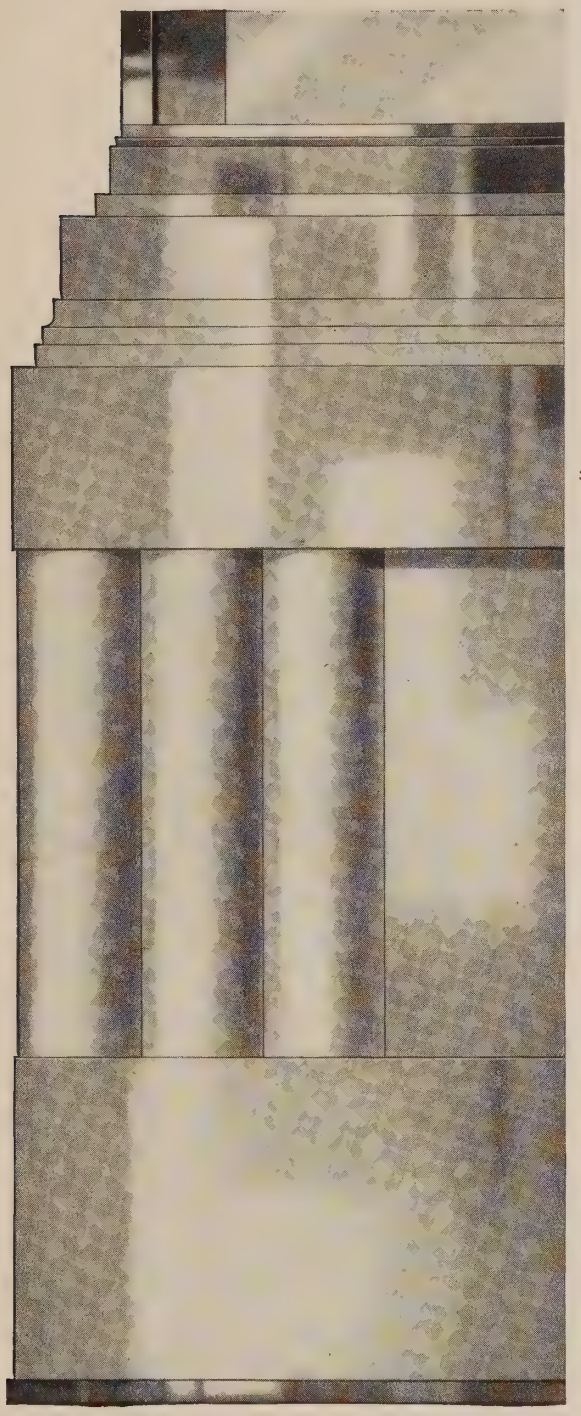
See page 19 for various thresholds.

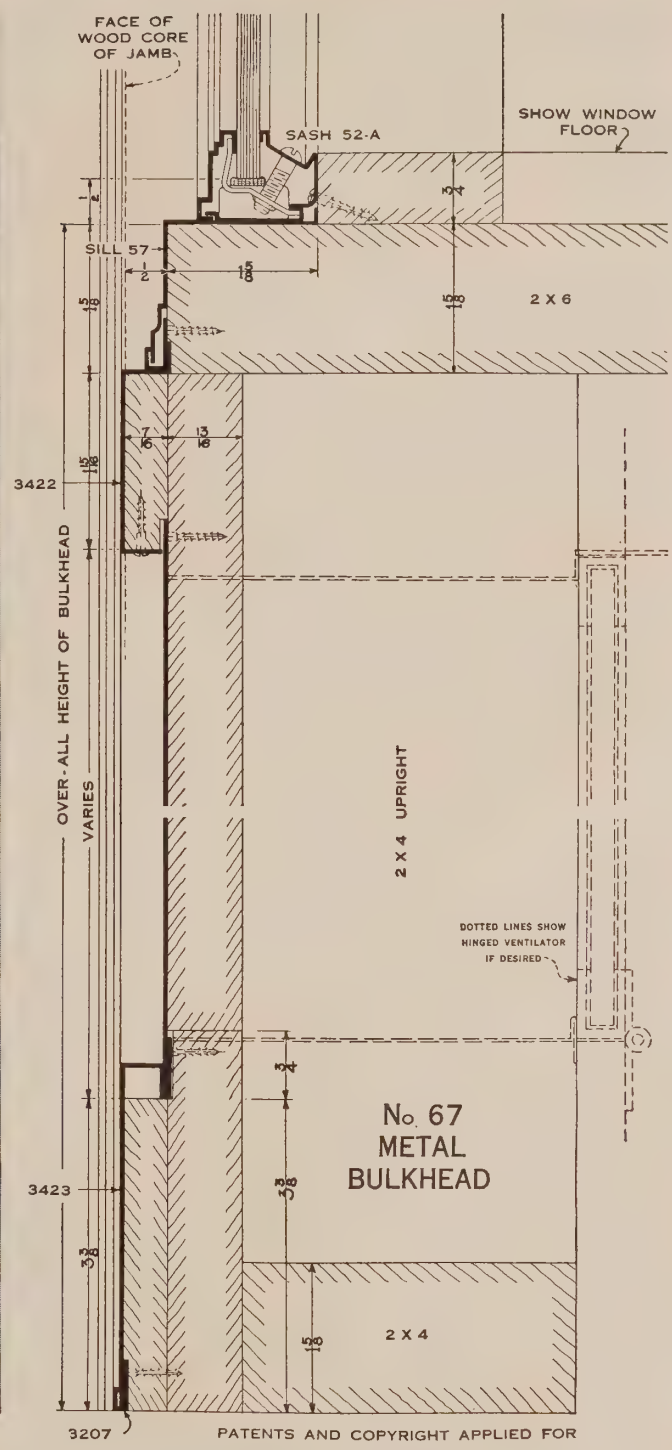


METAL COVERED DOOR FRAME

(Above and at left)

HALF SIZE DETAILS

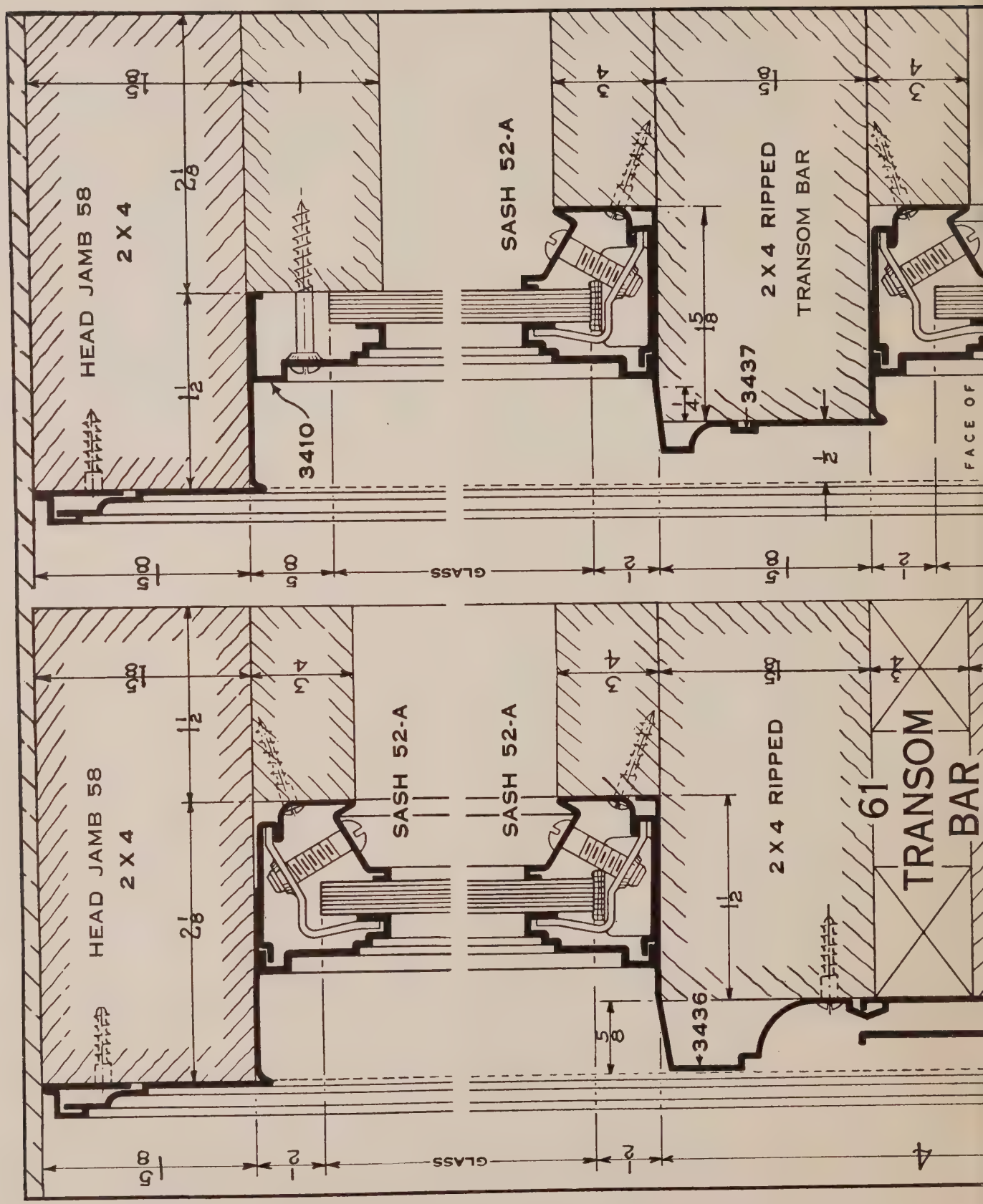


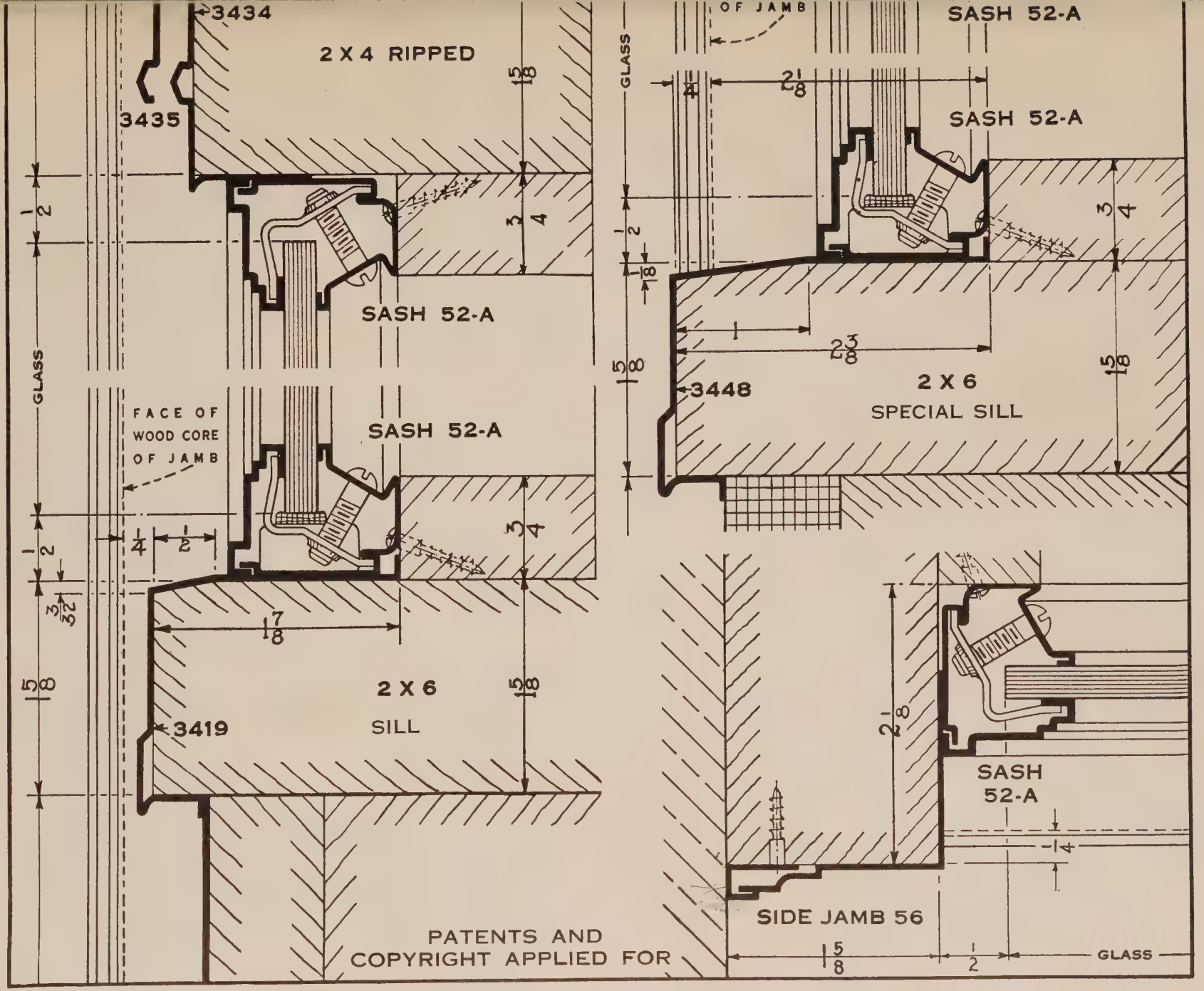


NO. 67 METAL BULKHEAD

HALF SIZE DETAIL AND ELEVATION

If desired, center panel can be provided with hinged sash and grille for ventilating basement. A variety of treatments can be used for ornamenting center panel—the above is merely a suggestion. See page 24 for alternate treatment. All wood cores by others.

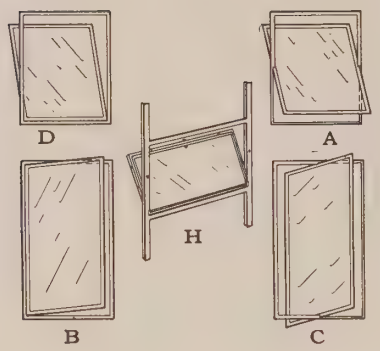

HEAD JAMB 58
2 X 4
SASH 52-A
2 X 4 RIPPED
TRANSOM BAR
3410
3437
3436
GLASS
FACE OF
61
TRANSOM
BAR



PATENTS AND COPYRIGHT APPLIED FOR

EASYSET STORE FRONTS
PITTSBURGH PLATE GLASS CO.

VENTILATORS



TYPE D—84-D Hinged at bottom to open in. Maximum width 30″
TYPE A—84-A Pivoted at sides to swing in at top. Maximum width 30″
TYPE B—84-B Hinged left to open out. Maximum width 24″
TYPE C—84-C Pivoted at top and bottom. Maximum width 30″
TYPE H—"H" Hinged at bottom to open in. Maximum width 24″
(Steel only) Copper, Aluminum or Bronze spray finish.

TABLE OF STOCK SIZES FOR TYPE "H"

No.	Vent. Size	Leg Length	No.	Vent. Size	Leg Length
1	18″x12″	24″	5	20″x16″	60″
2	20″x16″	36″	6	24″x20″	60″
3	20″x16″	42″	7	24″x24″	60″
4	20″x16″	48″			

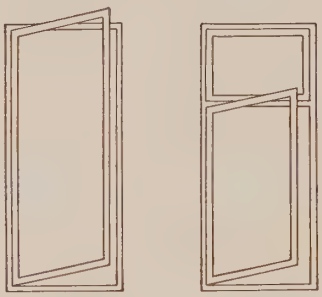
SHOW CASE DOORS

NO. 83 SHOW CASE DOORS

(At Right)

Easyset Show Case doors are trim of line, sturdily built, equipped with safety lock and pull. Available with or without transom. Furnished in finishes listed on page 27.

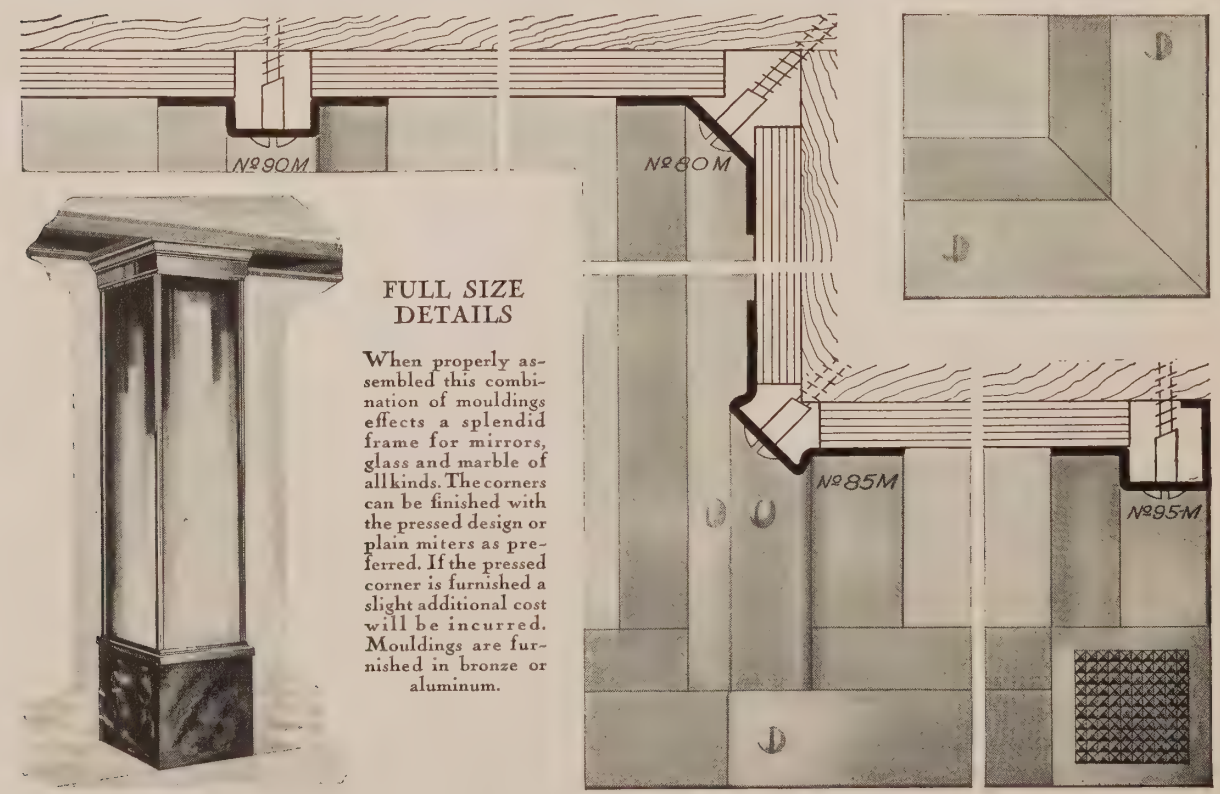
Stock Sizes, 24″ x 60″ and 30″ x 66″



INSTRUCTIONS FOR ORDERING SHOW CASE DOORS

Positively state how the door is to be set at each side, top and bottom. If set directly against jambs or sill, specify without flanges, and the frame will be made flat with holes punched for wood or machine screws. If set in Easyset bars or sash at any or all sides, specify with flanges and state what Easyset members are to be used and on which sides. If a corner bar is used at either side, give degree of angle as well as number of the bar. Be sure to state at which side the door or window will be hinged, and if pivoted tell whether at top and bottom or at sides.

MIRROR FRAME MOULDINGS

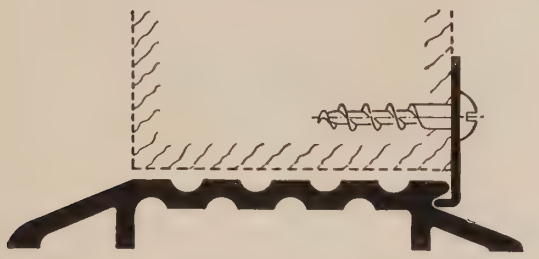


FULL SIZE DETAILS

When properly assembled this combination of mouldings effects a splendid frame for mirrors, glass and marble of all kinds. The corners can be finished with the pressed design or plain miters as preferred. If the pressed corner is furnished a slight additional cost will be incurred. Mouldings are furnished in bronze or aluminum.

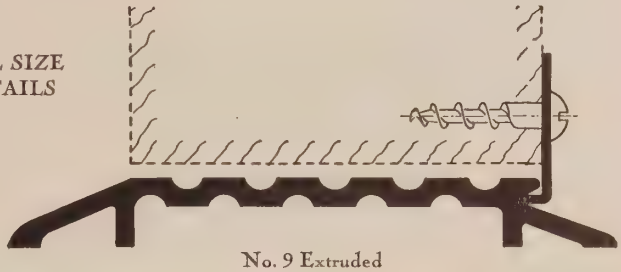
THRESHOLDS, PUSH PLATES, KICK PLATES

The thresholds shown below can be furnished in any length in bronze or nickel silver. Nos. 8 and 9 afford a very effective method of weathering.

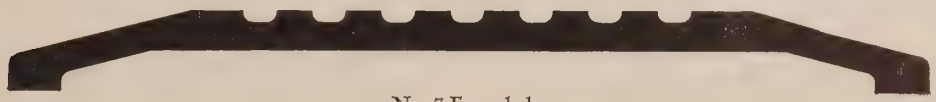


No. 8 Extruded
Furnished with Weathering Angle

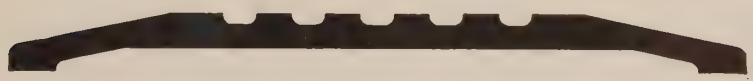
FULL SIZE DETAILS



No. 9 Extruded
Furnished with Weathering Angle



No. 7 Extruded



No. 6 Extruded

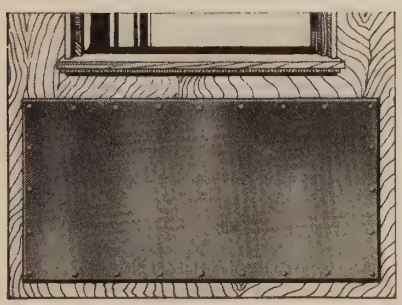
No. 5 Extruded

No. 4 Extruded

PUSH PLATES

Cut with square edges from .050 bronze or aluminum alloy. Holes drilled and screws furnished. Made in any size.

No. 311 Cold Rolled



LEFT
KICK PLATES

Cut with square edges from .050 bronze or aluminum alloy Holes drilled and screws furnished.

RIGHT
CAST KICK PLATES

Furnished in various cast metals in accordance with the architect's design and requirements.

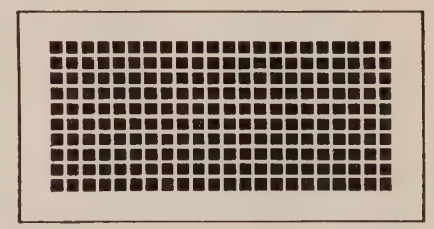
METAL GRILLES

Grilles are furnished in .050 and .109 metal, sharply cut from bronze or aluminum alloy. The maximum size in either gauge is 24″ x 114″.

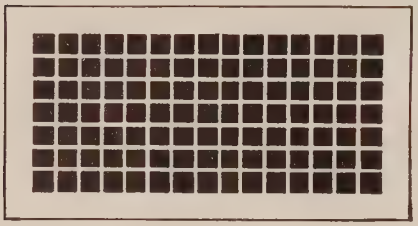
If the .050 grilles are made in sizes exceeding 24″ x 24″, reinforcements will be attached to the back to provide ample strength.

Extra charge will be made for grilles furnished in dimensions other than those shown as stock sizes.

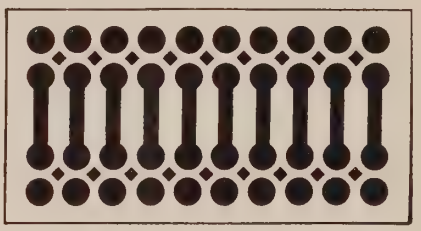
TYPE 1-G
Rectangular Interstices
Stock Sizes
11″x5″ 18″x9″ 24″x10″



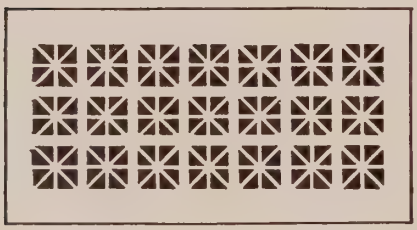
TYPE 2-G
Small Square Interstices
Stock Sizes
11″x5″ 18″x9″ 24″x10″



TYPE 3-G
Large Square Interstices
Stock Sizes
11″x5″ 18″x9″ 24″x10″

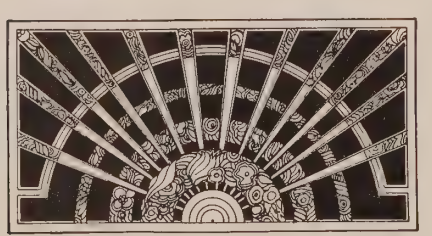


TYPE 4-G
Ball and Slot Interstices
Stock Sizes
11″x5″ 18″x9″ 24″x10″



TYPE 5-G
Clustered Union Jack
Stock Sizes
11″x5″ 18″x9″ 24″x10″

SPECIAL
Special Designs cut to fit
Architects requirements.



CAST

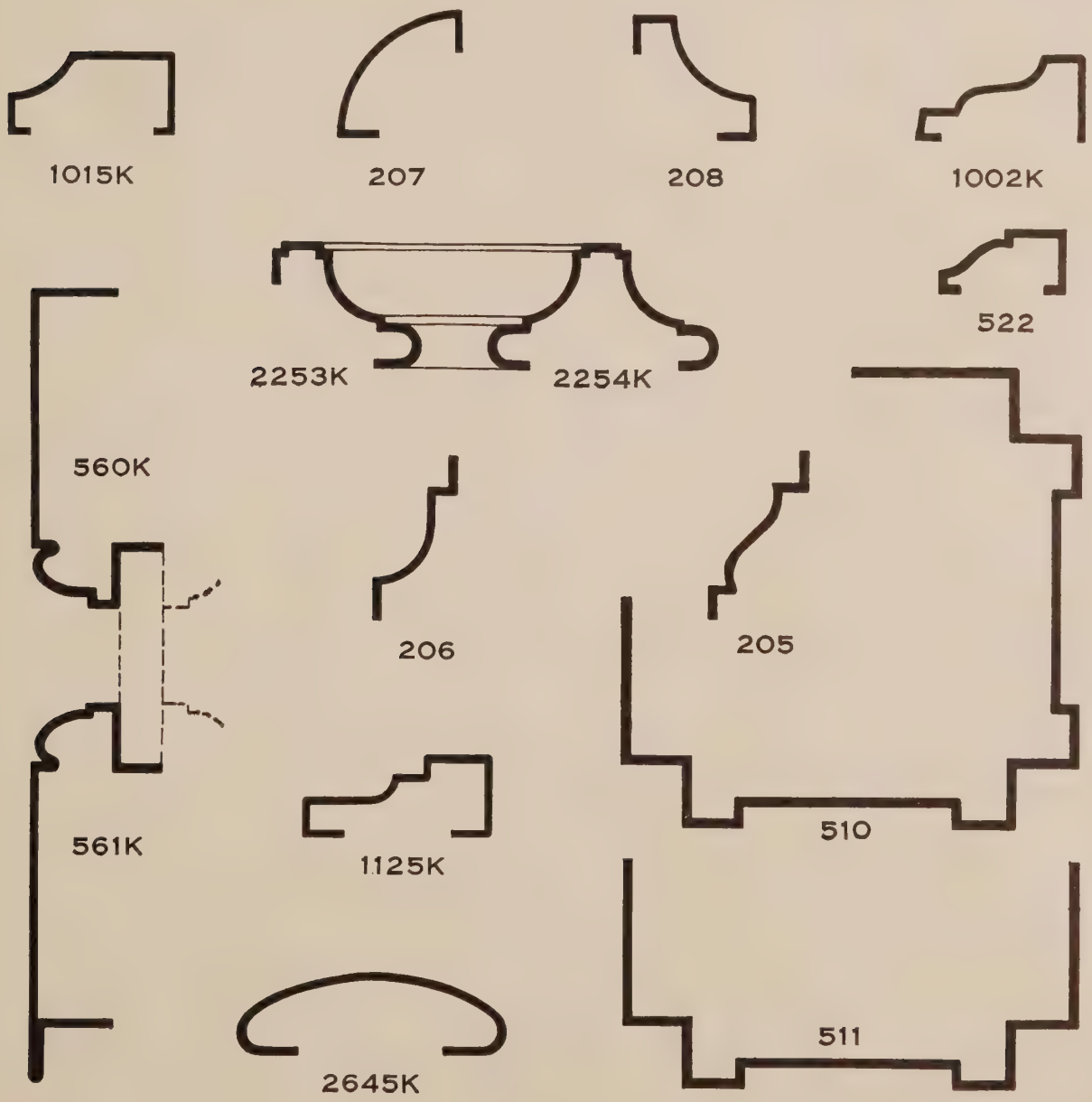
CAST

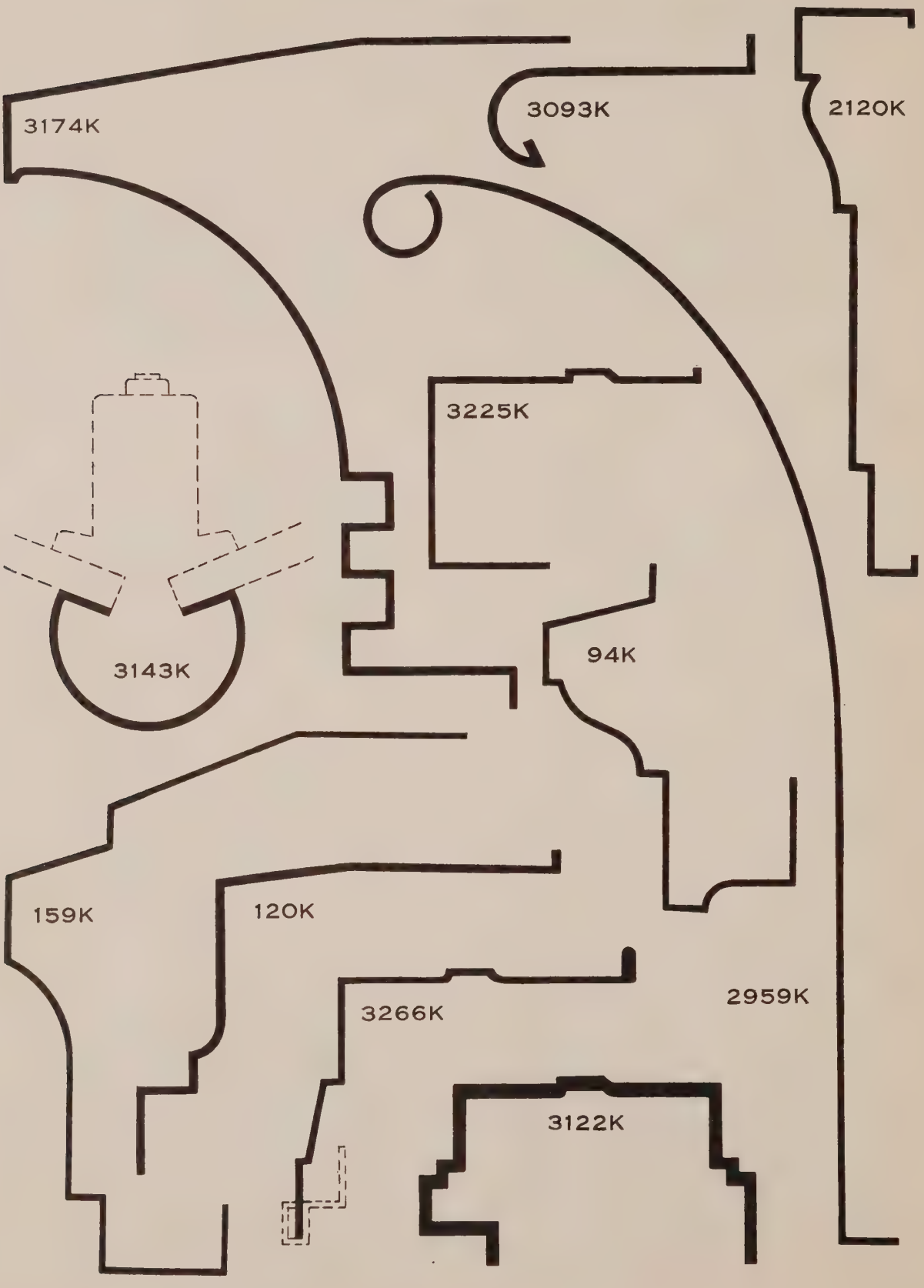
SPECIAL
Special Designs cast to fit
Architects requirements.

ARCHITECTURAL MOULDINGS

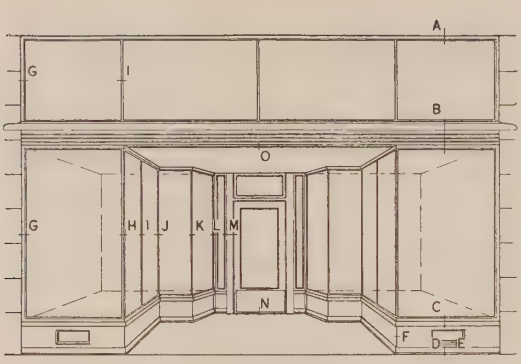
FULL SIZE DETAILS

On this and the following two pages we feature a choice variety of cold-drawn mouldings that are available in solid bronze or aluminum alloy. These mouldings serve excellently as glass stops, pilaster coverings, panels, cornices, etc. By making special adjustments, many practical combinations are obtained for interior and exterior use. We will gladly offer suggestions for various treatments to meet the requirements of the architect or contractor. The customer can also have made-to-order mouldings by absorbing the die charge.




3174K
3093K
2120K
3225K
3143K
94K
159K
120K
3266K
2959K
3122K

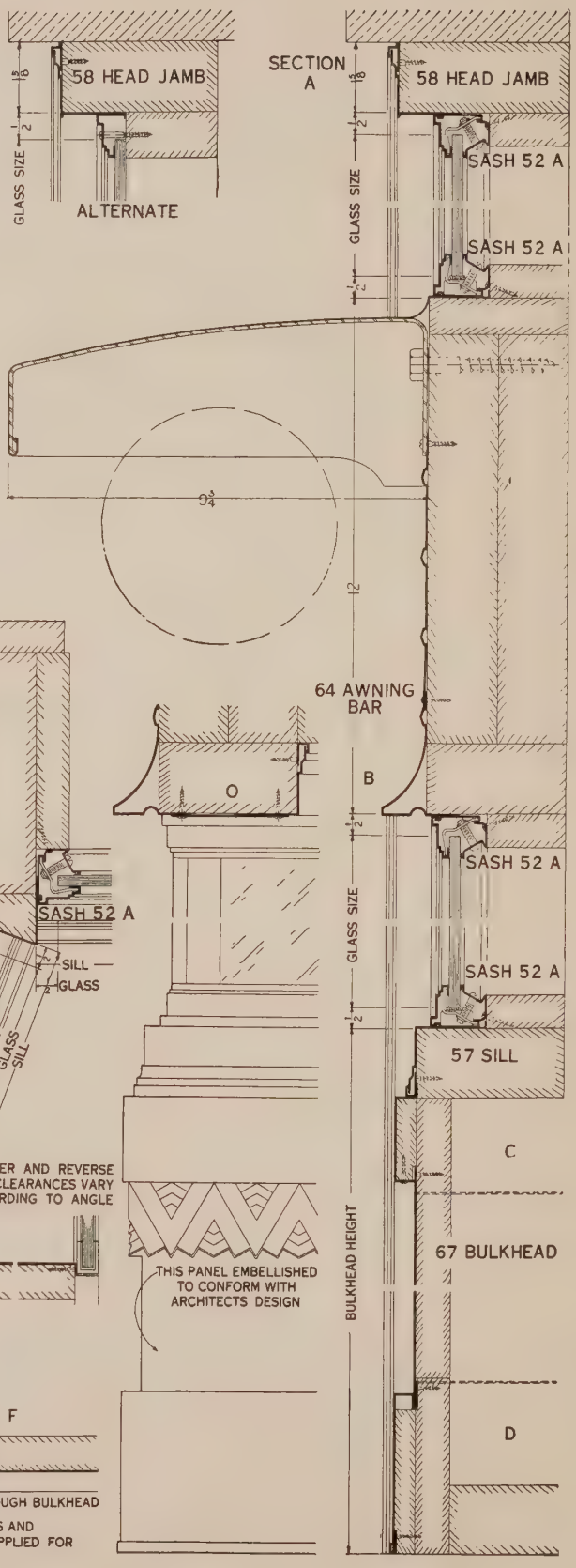
101C
101A
101B
550
525
281CK
517
518
513
514
7/8

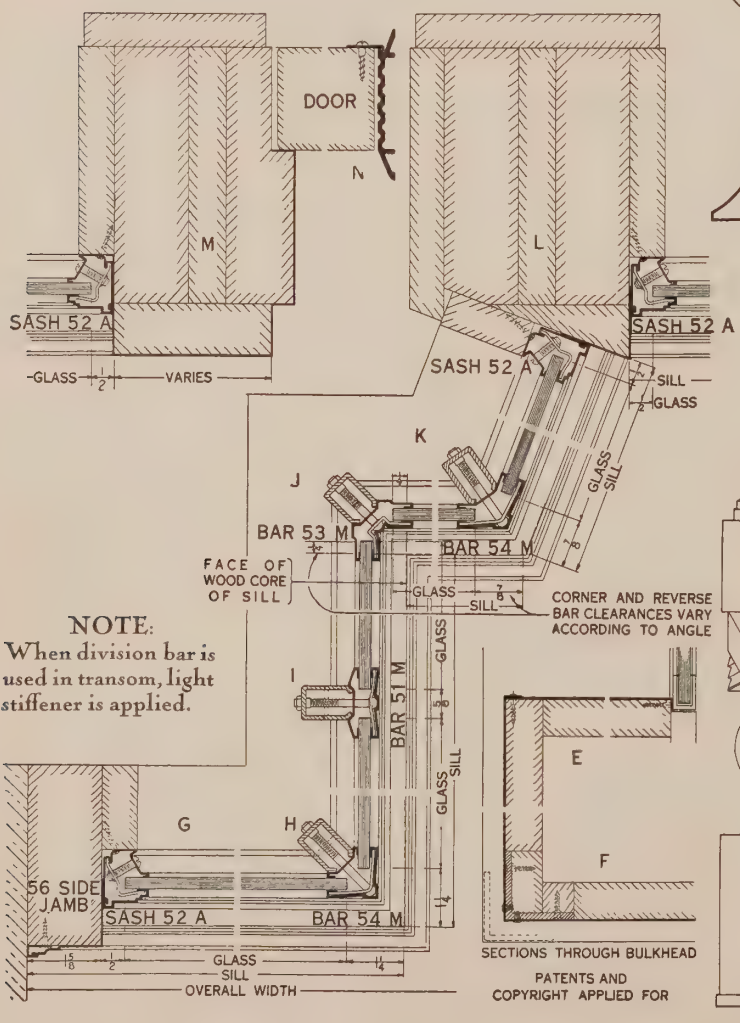


KEY ELEVATION

SCALE FOR DETAILS—3″=1′-0″

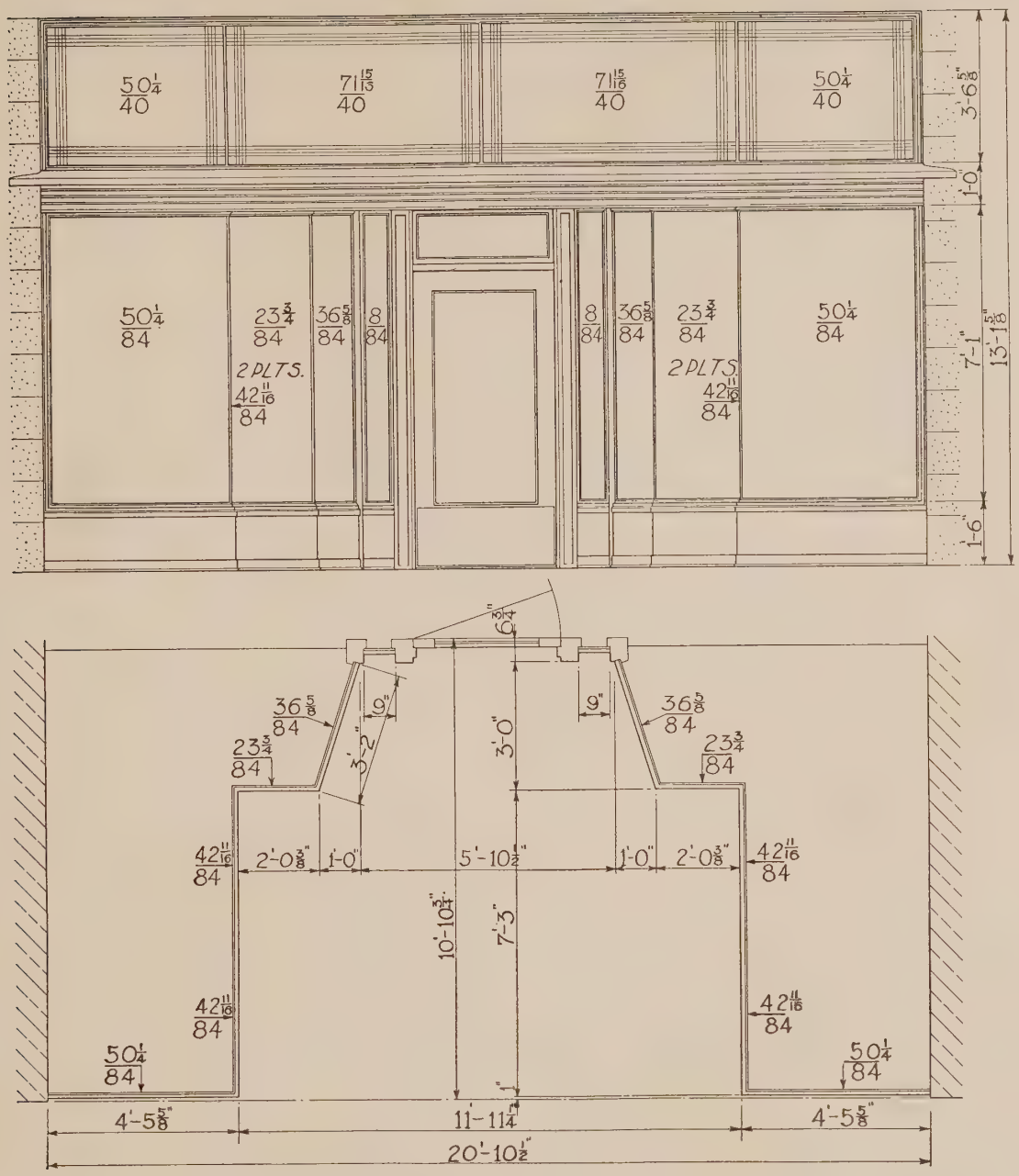
These details pertain to the front shown on opposite page. They are presented merely to show how glass and sill sizes are figured. Bear in mind that corner and reverse bar clearances vary according to angle and sill construction.





NOTE:
When division bar is used in transom, light stiffener is applied.

PATENTS AND COPYRIGHT APPLIED FOR



Note: Refer to opposite page for Names and Numbers of various Members

WHERE EASYSET MEMBERS ARE USED AND HOW TO FIGURE GLASS SIZES

The plan and elevation on this page, together with half-size details on the preceding one, show where Easyset units are used and how to figure glass sizes. By deducting the glass clearances from the over-all sill sizes indicated, correct glass sizes are determined. However, it must be borne in mind that the clearances at the corners vary according to the angle and also as to the construction used.

GENERAL INSTRUCTIONS FOR INSTALLING COMPLETE EASYSET STORE FRONT CONSTRUCTION

The first member to be placed in position is the No. 56 side jamb cover. Second, No. 58 head jamb cover. Then the No. 3419 sill cover and sill caps. Follow this by placing in position the transom bar cover.

If using the No. 64 awning transom bar, place in position first the No. 3413 member; second, the No. 3412 member; third, the 133-B member; and fourth, the 133-A member. Now put end caps in place. If using No. 66 awning transom bar, first place in position the No. 3413 member; second, the 3412 member; third, the 3411 member; fourth, the 3415 member; fifth, the 3414 member; and sixth, the 3416 member. Now put end caps in place. If using the No. 61 transom bar, place in position first, the No. 3434 member; second, the 3436 member, unless the 3435 member is used. If so, No. 3435 member should be placed in position second, followed by the 3436 member. No end caps are required for the No. 61 transom bar.

Next install the 52-A metal sash inner member. Place two setting blocks in position for each light from six to fifteen inches from each end, depending on the size of the glass. Adjust setting blocks to correct height, so that glass clears bronze lugs. Place bottom bronze lugs in place in inner member loosely. Now set plate glass on top of setting blocks. Glass should be cut to fit the opening, allowing clearances shown on page 24. After glass is in position the balance of the lugs should be put in place. Then slip on outer member of 52-A sash over lugs and under front edge of inner member of 52-A. Tension of outside member on glass is accomplished by drawing up bronze lugs by means of screws provided. In drawing up lugs in this manner care should be taken not to get an uneven or excessive pressure on the glass. After the outer member is in place, all corner caps should be installed.

For METAL SASH 25-C.★— Follow the same method for installation as 52-A.

CORNER BAR No. 54-L, M & H.—The distance between the inner edges of the glass should be ⅜″, to allow for the installation of the corner bar. This may vary slightly according to the angle. Separate inner and outer sections of this bar before installing. The bottom of this bar rests squarely on the top of the sash corner cap. All screws should be tightened evenly to get the proper tension.

CORNER BAR No. 4-C.★— Use the same method when installing Corner Bar 4-C, except that there should be an allowance between the inner edges of the glass of ⅝″; also with slight variation according to angle.

DIVISION BAR No. 51-L, M & H, and 15-C★—⅝″ should be allowed between the edges of the glass to accommodate the division bar. The inner and outer sections of this bar should also be separated before installing, and the screws tightened in the same manner as the corner bar. The lower end of the face member of this bar rests on the upper edge of the outer member of the metal sash, and the inner part is anchored to the floor and transom bar. Small steel anchors with screws complete are furnished for this purpose. All other caps should now be put in place.

Full size details and catalog show the units mentioned above.

★"C" Type is an extra heavy construction not shown in this catalog, but information in connection with this type may be had upon request.

INFORMATION ON ORDERING EASYSET STORE FRONTS

Wherever possible, we recommend that a specific order be forwarded covering the material wanted and outlining definite cutting sizes. This suggestion is made with the view of bettering our service by avoiding delays which occasionally occur because of incomplete information when entering an order in the factory.

When ordering send us blueprints or rough sketch showing a dimensioned plan and elevation of the front. This is essential so that we may supply the necessary caps and other accessories. To accurately cut our material, we cannot determine sizes by scaling a blueprint, for when doing so, we must add a safe margin for possible shrinkage of the print.

HEAD JAMB MOULDINGS—Order the extreme width of the opening.

TRANSOM BAR MOULDINGS—Order the extreme width of the opening.

SIDE JAMB MOULDINGS—Order the extreme height of the opening, when using metal bulkhead construction.

NOTE—Side Jamb Mouldings can stop at the top of the sill when marble, brick or wooden bulkheads are used.

NOTE—When ordering awning bar mouldings, give the extreme opening size to which we shall make necessary additions for the extension of the hood members; also, we shall include caps to cover the exposed woodwork at the end of the hood.

CORNER, REVERSE, DIVISION BARS AND 55 BAR—The height of all bars should be the same as the glass height. Give exact angle of corner, reverse and 55 bars. (When it is impossible to measure angle properly, send sketch.)

Metal bulkhead can be ordered as a unit by giving the sill measurements, height from top of sill to sidewalk, design and number.

PIVOTED OR HINGED SASH, AND SHOW CASE DOOR—See page 18 for special instructions.

CURVED MATERIAL—Either state definitely or submit sketch showing whether the curve is horizontal or vertical. Also give radius and show to what point on the mouldings the radius is taken, provided the curve is regular and uniform. If the curve is not regular, submit a full-size detail or template. Do not fail to advise us whether the sizes given are glass sizes or sizes of openings.

When ordering or requesting prices on any special work, give all information that relates in any way to the store front. This will insure prompt and accurate service.

Give shipping directions, stating whether order is to be shipped by express or freight. Unless specific directions are given we shall ship by freight.

All bronze materials will be furnished in satin finish, and all aluminum alloy materials in polished finish, unless otherwise specified.

When ordering sash for which slide can be furnished, state definitely as to whether or not slide is wanted. Sash is shipped without slide unless specified on order.

FINISHES IN WHICH EASYSET STORE FRONT CONSTRUCTION CAN BE FURNISHED

BRONZE

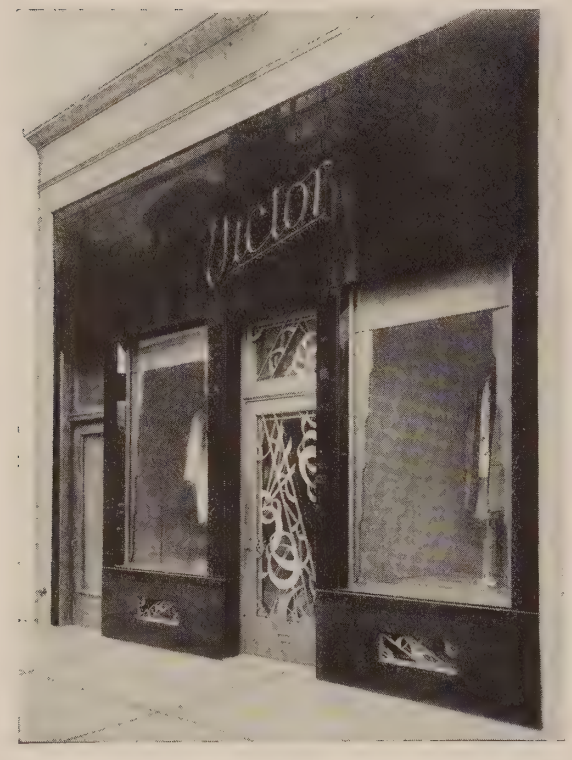
17—Satin
20—Unfinished
8—Polished
9—Light Statuary on Bronze
21—Dark Statuary on Bronze

ALUMINUM ALLOY

18—Polished
19—Satin

CARRARA GLASS

MODERN STRUCTURAL GLASS



Store Front located at 1113 Walnut Street, Philadelphia, designed and executed by Basch and Company, Philadelphia, Pa. A design with this simplicity can only be executed successfully with a ground and polished material, such as Carrara.

Black Carrara Glass, with its true ground and polished surface, gives to the merchandise a setting that has obvious refinement and richness.

Furthermore, the setting is permanent, because the many agencies which so often discolor or harm other materials have no effect upon the surface or polish of Carrara.

Carrara is capable of great variety in treatment and handling. It may be decorated in a number of effective ways—with sandblasted designs, colors, etc. However, the highest decorative value of Carrara lies in the perfection of its surface, which accents, emphasizes and enriches surrounding color effects.

When combined with burnished metals, the result is strikingly effective, and in key with modern trend.

Modern Buildings have the lasting attractiveness and durability of their toilet and shower rooms insured by installations of Carrara.

Carrara is of extremely dense homogeneous structure. This is one of its most valuable qualities. Moisture or liquids cannot penetrate it and it cannot absorb odors. Salt water, acids or strong chemicals do not affect it. It is impervious to pencil marks. Nor is it easy to deface in other ways.

Its hard, highly polished surface may be kept spotlessly clean with little effort. It saves cleaning work and cleaning expense. No abrasive preparations, powders or chemicals are ever needed for Carrara. This explains its wide and highly satisfying use in toilet rooms, where no other material of like nature has ever equalled Carrara in service.

TAPESTRY GLASS

IDEAL FOR STORE FRONT TRANSOMS

This unique glass has proven increasingly popular since its introduction about eight years ago, and has become one of the best known of the Pittsburgh Plate Glass Company's long line of products. Its inherent beauty and decorative possibilities make it particularly suitable for store front use.

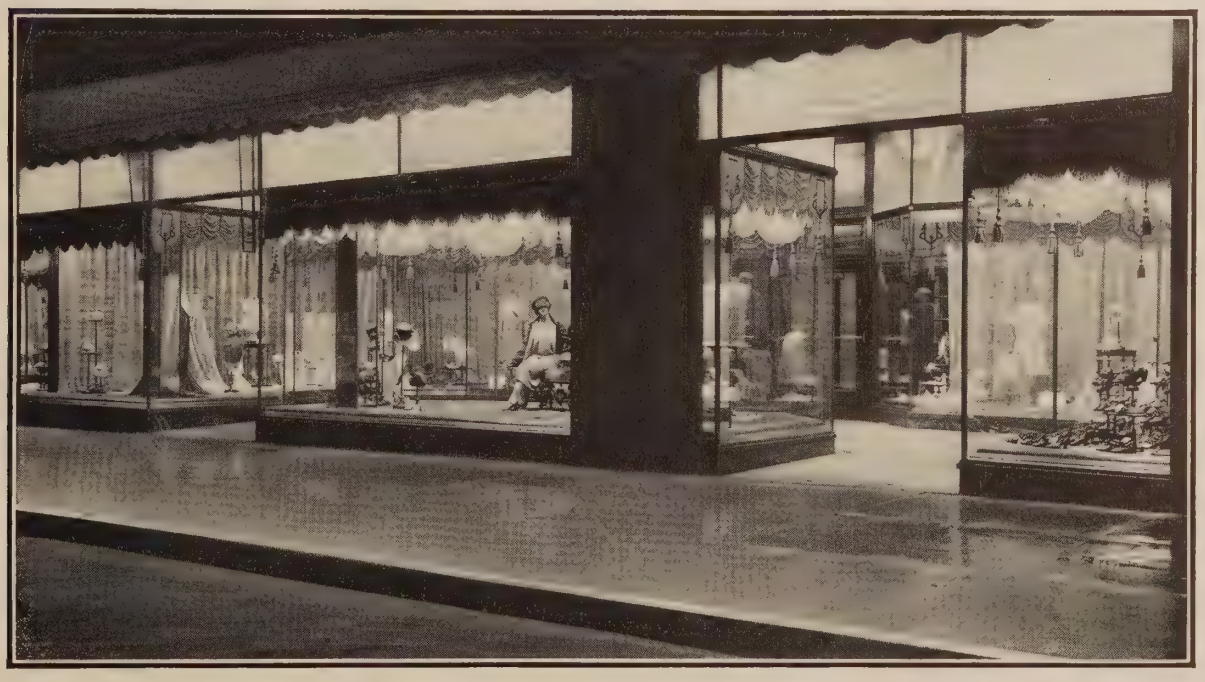
The unusual qualities of Tapestry Glass result from two causes; the satin-like finish of its surface, and its inner transparency. Below its silvery surface this glass is clear and evenly transparent. The ingredients and initial processes involved are the same as those used in making the finest quality plate glass. This inner transparency is the reason why Tapestry Glass transmits the light so readily. The silvery surface is the secret of its diffusing properties, and it is one of the most artistic obscure light diffusing glasses available for building purposes. It is also one of the most efficient, and spreads illumination into the darkest corners. For this reason it has proved to be a splendid medium for day-lighting dark store interiors. The moderate surface irregularities of Tapestry Glass make it unusually easy to keep clean.

Tapestry Glass invites many interesting and novel treatments. It may be obtained with both surfaces in the original tapestry finish; or with one polished and one tapestry surface. The surface may be varied with chipping or sandblasting. Sandblasting produces a delicate frosted effect, and symmetrical designs or artistic lettering are applied in this manner. It may be colored by the Italian process, which gives it the effect of stained glass, or the surface may be mitered into intricate patterns of lines and angles.

All these qualities make Tapestry Glass especially suitable for use in transoms of store fronts, and it is being used more and more for this purpose. In addition, Tapestry Glass enjoys a wide variety of other uses embracing all applications where an artistic medium is required which will admit light and at the same time obscure the view. It is frequently used for office doors and partitions because of its splendid light diffusive qualities. It is also preferred over other glasses for use in ceiling lights, and for doors in public buildings, such as hotels, apartments, institutions and offices. The wide variety of treatments to which this glass is adaptable make its applications practically limitless.

Tapestry Glass is made in two thicknesses, $\frac{3}{16}''$ and $\frac{1}{4}''$, in sizes up to $72'' \times 170''$. It may be obtained with the tapestry finish on both sides in either thickness, or with one surface tapestry and one surface polished in the $\frac{1}{4}''$ thickness.

Tapestry Glass is manufactured by the Pittsburgh Plate Glass Company. Samples and complete information may be obtained from any of the Company's warehouses, conveniently located in all the principal cities of the United States.



Transoms of Tapestry Glass with sandblasted name and border. Evanston, Ill.

DUPLATE

THE NON-SHATTERABLE GLASS

Practically everyone driving an automobile has his pocket book protected by liability insurance. How much more important is it to protect one's person from flying glass? Various analyses of the causes of injuries in motor car accidents revealed the startling fact that over half of these injuries were caused by broken glass. The use of Duplate, the non-shatterable glass, reduces this hazard to a minimum; and affords a sense of security to you and your passengers which more than repays you for the small added cost over plate glass windows and windshield. The importance of non-shatterable glass in modern high speed and congested traffic conditions is emphasized by the growing number of city and state legislatures which are passing laws making its use in public vehicles compulsory.

Duplate was developed by the Duplate Corporation, a subsidiary of the Pittsburgh Plate Glass Company. It is a laminated glass consisting of two sheets of thin plate glass permanently welded together by means of a transparent elastic material. Under the force of impact the glass cracks but remains firmly cemented to the tough, pliable binding agent. There are no jagged edges or flying particles as the glass remains in place.

Duplate is very easy to get. Just call up the nearest Pittsburgh Plate Glass Company warehouse and give them the model and number of your car. The plates will be cut and finished according to blueprints which we keep on file. In a few days you will be notified that the glass is ready. A short time spent in taking out the old glass and installing the new, and you can drive away with the greatest of fears wiped away—that of being permanently disfigured by broken glass.

HELIOGLASS

THE ULTRA-VIOLET RAY TRANSMITTING GLASS

No matter how clear and transparent ordinary glass may be, it is deficient in this one respect—that the materials of which it is composed refuse to allow the transmission of the invisible, health promoting part of sunlight—the vital ultra-violet rays. Instead of excluding these health-giving, disease-destroying rays, as ordinary window glass does, Helioglass admits them generously, giving full transmission of both direct and indirect sunlight, and retains this property for an indefinite length of time. Now, when Helioglass is used, you can receive indoors the same benefit of the ultra-violet rays which was formerly confined to your hours out-of-doors.

Present day medical authorities agree unanimously that the effect of the vital ultra-violet rays upon disease is very beneficial. Many years of searching for a means of bringing natural unskimmed sunlight into hospitals, sanitariums, schools, homes, offices and factories; undiluted of these wonderful ultra-violet rays, has resulted in the development of Helioglass. Now, in nurseries, playrooms, sick rooms, skylights, sun parlors, sun porches, sleeping rooms, sleeping porches, living rooms, conservatories, solariums, hospitals, sanitariums, schools, zoological gardens, poultry buildings, barns, kennels — in fact practically anywhere that ordinary window glass can be used, Helioglass will add that which ordinary glass cannot give—the healthful effects of the vital ultra-violet rays.

Follow the lead of the foremost hospitals in the country and glaze a part of your home with Helioglass. Have a sun-room in fact as well as in name for the sake of your family's health. For a quotation ask our nearest warehouse. (Listed on page 32)

PITTSBURGH PROOF PRODUCTS

Pittsburgh Proof Products is the family name for the Paints and Varnishes manufactured and sold by the Pittsburgh Plate Glass Company. Among them are such well-known nationally advertised products as the following:

SUN-PROOF PAINT—Has set the standard of quality for house paints since 1855.

SNOLITE—An entirely new type of intensely white paint for all general uses—exterior or interior.

VELUMINA WALLHIDE AND THE VELUMINA WALLHIDE SYSTEM—These products possess unusual properties never before embodied in oil base wall finishes . . . . spot stopping, surface sealing, ability to resist attacks of lime and alkali in green, uncured walls, long wear and beauty and uniformity of results.

WATERSPAR QUICK DRYING VARNISH AND ENAMEL Durable, permanent utility finishes which give four to six hour drying. They have a wide variety of uses in households and buildings.

FLORHIDE ENAMEL—A durable finish for exterior and interior floors, cement.

WATERSPAR QUICK DRYING FLOOR ENAMEL—For use on all interior floors, wood, cement, or composition. Quick Drying, making it especially desirable for show rooms—tough, elastic, durable, and dries with a beautiful gloss finish.

BANZAI ENAMEL—An aristocrat among white enamels. Flows out into a China-smooth film.

PITCAIRN VARNISH—A standard and accepted product indorsed by painters thoughout the country. Used on many of the largest buildings in the country.

Paints and Varnishes play an important part in modern store merchandising. An attractive color scheme or a novel color arrangement means much to the prestige of a store. The progressive merchant keeps his business establishment "on parade". The walls are kept immaculately clean; the floors are painted frequently; the fixtures are stained and varnished at regular intervals; the store front is never allowed to remain shabby a single day, but always looks as though it is just freshly painted.

The products listed above will enable you to keep your stores spic and span. Velumina Wallhide for the walls; Florhide for the floors and dados; Waterspar Quick Drying Enamel for the store front, and Waterspar Quick Drying Floor Enamel where speed of drying is essential. These prove valuable products to you. If it is a question of doing the work quickly so as not to take the store out of commission, you will find a friend in the Lavax Architectural line. It is possible to apply Lavax at night and use the article next morning.

A liberal use of Paint and Varnish will prove a paying investment for every merchant.

EASYSET
STORE FRONTS
PITTSBURGH PLATE GLASS CO.

WAREHOUSES

PITTSBURGH PLATE GLASS COMPANY

Akron, Ohio	101 Lincoln Street
Albany, New York	North Ferry Street, East of Broadway
Allentown, Pennsylvania	827 North 12th Street
Amarillo, Texas	Thirteenth and Grant Streets
Atlanta, Georgia	180 Alabama Street, S. W.
Baltimore, Maryland	8-12 South Paca Street
Birmingham, Alabama	2nd and 29th Streets
Boston, Massachusetts	300-316 Babcock Street
Brooklyn, New York	Jay, Water and Plymouth Streets
Buffalo, New York	101-107 Seneca Street
Charlotte, North Carolina	210-212 East 6th Street
Chicago, Illinois	431-451 St. Clair Street
Cincinnati, Ohio	Broadway, Court and Eggleston Avenues
Cleveland, Ohio	3849 Hamilton Avenue
Columbus, Ohio	133-135 East Spring Street
Dallas, Texas	Sante Fe Terminal Building
Davenport, Iowa	414-428 Scott Street
Denver, Colorado	26th and Blake Streets
Des Moines, Iowa	108 East 4th Street
Detroit, Michigan	Hamilton and Holden Avenues
El Paso, Texas	1100-1106 Overland Street
Fort Worth, Texas	321-323 South Main Street
Grand Rapids, Michigan	21-23 South Ionia Avenue
Harrisburg, Pennsylvania	17th and Brookwood Streets
Hartford, Connecticut	38-40 Chapel Street
High Point, North Carolina	431 Hamilton Street
Houston, Texas	Crawford and Commerce Streets
Indianapolis, Indiana	1915 Madison Avenue
Jacksonville, Florida	1530 Enterprise Street
Kansas City, Missouri	5th and Wyandotte Streets
Knoxville, Tennessee	203-211 Humes Street
Louisville, Kentucky	16th and Main Streets, Box 602
Memphis, Tennessee	435 Madison Avenue
Milwaukee, Wisconsin	816-820 North Market Street
Mineola, New York	49 Windsor Avenue, near Rosslyn Road
Minneapolis, Minnesota	616-628 South Third Street
Mount Vernon, New York	556-562 South Fulton Avenue
Nashville, Tennessee	Grundy Street and 11th Avenue, N.
Newark, New Jersey	Elizabeth Avenue and Peddie Street
New Haven, Connecticut	26 Mill Street
New Orleans, Louisiana	Girod and Commerce Streets
Oklahoma City, Oklahoma	101-103 East California Avenue
Omaha, Nebraska	14th and Jones Streets
Peoria, Illinois	913-917 South Washington Street
Philadelphia, Pennsylvania (N. Philadelphia Station)	16th and Indiana Avenue, Box 6860
Pittsburgh, Pennsylvania	632-642 Duquesne Way
Roanoke, Virginia	14-24 Pleasant Avenue, S. E.
Rochester, New York	149-153 State Street
Saginaw, Michigan	Fitzhugh and Water Streets
San Antonio, Texas	1420-1426 South Alamo Street
Savannah, Georgia	Central off Georgia Terminals
Scranton, Pennsylvania	Wyoming Avenue at New Street
Shreveport, Louisiana	Fannin and Commerce Streets
South Bend, Indiana	1138-1140 South Lafayette Street
Springfield, Massachusetts	126 Liberty Street
St. Louis, Missouri	3900 Chouteau Avenue
St. Paul, Minnesota	459-461 Jackson Street
Syracuse, New York	433-435 South West Street
Tampa, Florida	1006-1008 Ashley Street
Toledo, Ohio	2410-2416 Albion Street
Tulsa, Oklahoma	Detroit and Archer Streets
Utica, New York	615 Eagle Street
Washington, D. C.	4th and Channing Streets, N. E.
Wilkes-Barre, Pennsylvania	54 Scott Street
Youngstown, Ohio	214-218 East Boardman Street

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